Transition Networks

Unmanaged Stand-alone Switches

TRANSITION NETWORKS

Transition Networks' 10/100 Mbps switches are auto-sensing and allow for the seamless integration of 100 Mbps connections while preserving network bandwidth. Each switch combines performance and functionality with a space-saving desktop design.

FEATURES

- Auto-negotiating for full or half duplex
- Flow control and back pressure
- Store and forward switching mode
- All ports Auto MDI/MDIX
- Ruggedized metal chassis
- Full wire-speed switching on all ports

Anixter No.	Vendor No.	Description
237959	MIL-S500	5-port 10/100BASE-TX unmanaged micro switch
242349	MIL-S800	8-port 10/100BASE-TX unmanaged switch
373012	MIL-S4800	48-port 10/100BASE-TX unmanaged switch with two Gigabit ports
484249	S24TXA	24-port 10/100BASE-TX unmanaged compact switch

8-port Switch with Internal Power Supply

TRANSITION NETWORKS

The industry's smallest 8-port switch with an internal power supply, Transition's MIL-S800i auto-negotiates 10/100 Mbps connections for fast and simple switching in workgroup, small office and home environments.

Anixter No.	Vendor No.	Description
385371	MIL-S800I-V2	8-port 10/100BASE-TX unmanaged compact switch with an internal power supply

10/100/1000BASE-T Gigabit Ethernet Switches

TRANSITION NETWORKS

With Gigabit Ethernet rapidly gaining demand in the network, administrators are demanding higher-density 10/100/1000 Mbps switches. Transition's Gigabit Ethernet Workgroup switches deliver eight or 24 ports of Gigabit Ethernet. These reliable switches deliver exceptional performance. Whether you need 10BASE-TX, 100BASE-TX or 1000BASE-T, these switches are ready to run with any version of Ethernet over copper cabling.

UNMANAGED COPPER SWITCHES

Anixter No.	Vendor No.	Description
339003	MIL-S8TA	8-port 10/100/1000BASE-T unmanaged switch with internal power supply

UNMANAGED COPPER SWITCHES WITH SFP SLOTS

Anixter No.	Vendor No.	Description
335243	MIL-S24T2GPA	24-port 10/100/1000BASE-T unmanaged switch and two combo SFP ports

10/100/1000 Multilayer Managed Switches

TRANSITION NETWORKS

The MIL-SM4004TG is a managed, 4-port Gigabit Ethernet switch with auto-sensing 10/100/1000 ports plus four combo small form pluggable (SFP) ports. The combo SFP ports enable fiber connectivity through four hot-swappable, small form factor-pluggable Gigabit interfaces. In addition, the 1U rack-mount form factor uses less rack space and provides a lower per-port cost than comparable Gigabit Ethernet switches. The MIL-SM24T4DPA is ideal for high-performance server aggregations such as enterprise data centers and high-speed work groups. This managed Layer 2 switch offers (24) 10/100/1000 ports and four dual-speed combo ports.

Anixter No.	Vendor No.	Description
374559	MIL-SM4004TG	4-port 10/100/1000BASE-T managed and four dual-speed 100/1000 SFP/RJ45 ports
484253	SM8T2DPA	8-port 10/100/1000BASE-T managed and two dual-speed 100/1000 SFP/RJ45 ports
423401	MIL-SM24T4DPA	24-port 10/100/1000BASE-T managed and four dual-speed 100/1000 SFP/RJ45 ports

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10/100 Industrial Unmanaged Switches

TRANSITION NETWORKS

Eliminate EMI and RFI issues and overcome distance limitations with copper-based cabling by using an industrial media converter or switch. Transition Networks' industrial products are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments. Advanced features include AutoCross, Auto-negotiation, dry-contact relays and redundant DC power inputs. Operating temperature: -40° C to +75° C.

Anixter No.	Vendor No.	Description
423402	SISTF1010-250-LRT	5-port 10/100BASE-TX industrial unmanaged switch
423404	SISTF1010-280-LRT	8-port 10/100BASE-TX industrial unmanaged switch
373485	SISTF1040-162D-LRT	16-port 10/100BASE-TX industrial unmanaged switch and two SFP-based Gigabit Ethernet uplink ports
373905	SISTP1013-141-LRT	4-port 10/100BASE-TX industrial unmanaged switch with PoE to 100BASE-FX, 1300 nm, MM, SC, 2 km
373906	SISTP1014-141-LRT	4-port 10/100BASE-TX industrial unmanaged switch with PoE to 100BASE-FX, 1310 nm, SM, SC, 20 km
434454	SISTF1011-241-LRT	4-port 10/100BASE-TX industrial unmanaged switch to one 100BASE-FX, 1300 nm, MM, ST, 2 km
434455	SISTF1013-241-LRT	4-port 10/100BASE-TX industrial unmanaged switch to one 100BASE-FX, 1300 nm, MM, SC, 2 km
434457	SISTF1014-241-LRT	4-port 10/100BASE-TX industrial unmanaged switch to one 100BASE-FX, 1300 nm, SM, SC, 2 km

Industrial Managed Switches

TRANSITION NETWORKS

Eliminate EMI and RFI issues and overcome distance limitations with copper-based cabling by using an industrial media converter or switch. Transition Networks' industrial products are hardened devices designed to reliably operate in harsh environments such as those found on factory floors, outdoor enclosures or other hazardous environments. Advanced features include AutoCross, Auto-negotiation, dry-contact relays and redundant DC power inputs.

Anixter No.	Vendor No.	Description
351903	SISTM1010-180-LRT	8-port 10/100BASE-TX industrial managed switch, 40°C to +75°C operating temp.
351904	SISTM1011-162-LRT	6-port 10/100BASE-TX industrial managed switch to two 100BASE-FX ports, 1300 nm, MM, ST, 2 km, -40°C to +75°C operating temp.
351905	SISTM1013-162-LRT	6-port 10/100BASE-TX industrial managed switch to two 100BASE-FX ports, 1300 nm, MM, SC, 2 km, -40°C to +75°C operating temp.
351906	SISTM1014-162-LRT	6-port 10/100BASE-TX industrial managed switch to two 100BASE-FX ports, 1310 nm, SM, SC, 20 km, -40°C to +75°C operating temp.
419370	SISGM1040-244-LRT	4-port 10/100/1000BASE-T industrial managed switch and four 100/1000 SFP combo ports, -10°C to +75°C operating temp.
406741	SISGM1040-262D-LR	6-port 10/100/1000BASE-T industrial managed switch and two 100/1000 SFP combo ports, -10ºC to +50ºC operating temp.

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Transition Networks

Industrial Managed Substation-rated Switches

TRANSITION NETWORKS

Transition Network's Indura series of industrial, managed switches provide fully hardened solutions designed to operate reliably in harsh environments. The switch is designed to meet IEC 61850-3, ATEX Zone 2 and UL Class 1 Div 2. Indura offers advanced industrial Ethernet management, redundancy and security features coupled with rugged hardware performance for industrial or outdoor environment applications requiring high reliability and availability. Its four Gigabit SFP ports allow maximum flexibility in a wide range of fiber supported network architectures, including: electrical substations, smart grid, intelligent transportation systems (ITS), mining and petrochem.

Anixter No.	Vendor No.	Description
484183	IND-3280-L	4-port 10/100/1000BASE-T industrial managed switch
484185	IND-3284-L	7-port 10/100/1000BASE-T industrial managed switch

Remotely Managed PoE Switches

TRANSITION NETWORKS

This switch series is fully compatible with devices that comply with the IEEE 802.3af Standard and is capable of inserting power on the data pairs of the MDI to provide power to PD devices like network cameras and wireless access points. Management features include port-based, dynamic and static VLANs, GVRP, VLAN Tagging, IGMP Snooping, port mirroring, port security and virtual IP stacking.

Anixter No.	Vendor No.	Description
351798	MIL-SM8TXAF2GPA	8-port 10/100BASE-TX remotely-managed switch with PoE and two dual-speed 100/1000BASE-X SFP ports
461763	SM8TAF2DPA	8-port 10/100/1000BASE-T remotely-managed switch with PoE and two dual-speed 100/1000BASE-X SFP ports
474195	MIL-SM24TAF4GPA	20-port 10/100/1000BASE-T remotely-managed switch with PoE and four dual-speed 100/1000BASE-X SFP/RJ45 ports
386916	SISPM1040-182D-LRT	8-port 10/100/1000BASE-T remotely-managed switch with PoE and two dual-speed 100/1000BASE-X SFP ports, -40°C to +65°C operating temp.
484188	SISPM1040-384-LRT	8-port 10/100/1000BASE-TX remotely-managed switch with PoE+ and four Gigabit Ethernet SFP ports, -40°C to +70°C operating temp.

NetVanta Layer 2 Switches

ADTRAN INC

The portfolio of business-class Fast Ethernet switching solutions is perfect for small-and medium-size businesses (SMBs) or multisite enterprise networks. These solutions address today's highest networking priorities, including bandwidth expansion, Voice over IP (VoIP) migration and network security. Robust multiservice access routers with onboard switching also provide a unique, cost-effective WAN/LAN solution for all-in-one SMB networking.

FEATURES
- Low-cost, fully managed Layer 2 Fast Ethernet switch
- Standards-based for ease of interoperability
- Quality of service (QoS) capabilities support mission-critical applications such as VoIP LLDP/LLDP-MED further aids in management by discovering neighboring devices and IP phones
- Cable diagnostics to identify cable plant problems like an open or a short in a twisted pair
- Wi-Fi access controller managing up to 24 ADTRAN wireless access points (WAPs)
- Web-based GUI for device configuration
- 802.3af PoE-enabled models available
- Free firmware updates

NETVANTA MANAGED LAYER 2 SWITCHES

Anixter No.	Vendor No.	Description
490773	1702594G1	NetVanta 1234 2nd generation, 24-port managed Layer 2 Fast Ethernet switch and four SFP slots
490928	1702595G1	NetVanta 1234 PoE 2nd generation, 24-port managed Layer 2 Fast Ethernet switch with PoE (802.3af) and four SFP slots
490931	1702598G1	NetVanta 1238 2nd generation, 48-port managed Layer 2 Fast Ethernet switch and four SFP slots
490929	1702599G1	NetVanta 1238 PoE 2nd generation, 48-port managed Layer 2 Fast Ethernet switch with PoE (802.3af) and four SFP slots
420889	1702590G1	NetVanta 1534 2nd generation, 28-port managed Layer 3 Gigabit Ethernet switch and four SFP slots
374349	1702591G1	NetVanta 1534 PoE 2nd generation, 28-port managed Layer 3 Gigabit Ethernet switch with PoE (802.3af) and four SFP slots

NETVANTA MULTISERVICE ROUTER WITH LAYER 2 SWITCH

Anixter No.	Vendor No.	Description
395414	12008210	NetVanta 3448 multiservice router with 8-port Ethernet switch
395415	4200821G11120	NetVanta 3448 PoE, single-slot multiservice router supporting two T1s with 8-port PoE switch
420901	1200824G1	NetVanta 3458 multiservice router with 8-port Layer 2 Fast Ethernet switch
443961	4200824G11120	NetVanta 3458 PoE, 8-port managed dual NIM Layer 2 Fast Ethernet switch

NetVanta Layer 3 Switches

ADTRAN INC

Within the LAN environment, a Layer 3 switch makes intelligent switching decisions based on the OSI Layer 3 source and destination addresses, similar to that of a router. A standard Layer 2 switch relies on the MAC addresses to make switching decisions. The fundamental difference between the two is that a Layer 3 switch offers more performance than that of a standard Layer 2 switch.

NetVanta Layer 3 switches combine performance, reliability and security. These switches are perfect for Gigabit to the desktop applications or as an aggregator switch routing between VLANs, therefore segmenting data and voice and offering additional security. In addition, these NetVanta Layer 3 switches offer the optional 802.3af-compliant and legacy PoE requirements to power LAN devices.

FEATURES
- Provides affordable solutions to support today's bandwidth-intensive network applications
- Quality of service (QoS) capabilities support mission-critical applications such as VoIP
- LLDP/LLDP-MED further aids in management by discovering neighboring devices and IP phones
- Cable diagnostics to identify cable plant problems like an open or a short in a twisted pair
- Wi-Fi access controller managing up to 24 ADTRAN wireless access points (WAPs)

NETVANTA MANAGED LAYER 3 SWITCHES

Anixter No.	Vendor No.	Description
420888	1702544G1	NetVanta 1544 2nd generation, 28-port managed Layer 3 Gigabit Ethernet switch and four SFP slots

Networking Products

ADTRAN Inc.

(continued) NetVanta Layer 3 Switches

Anixter No.	Vendor No.	Description
486042	1702545G1	NetVanta 1544 PoE 2nd generation, 28-port managed Layer 3 Gigabit Ethernet switch with PoE (802.3af) and four SFP slots
443963	1700546G1120	NetVanta 1544 PoE, 28-port managed Layer 3 Gigabit Ethernet switch and 24 SFP-based Gigabit Ethernet and four SFP-based 2.5 Gbps uplink ports

NETVANTA MULTISERVICE ROUTER WITH LAYER 3 SWITCH

Anixter No.	Vendor No.	Description
395417	1700525E2	NetVanta 1335 PoE, single-slot multiservice router with 24-port PoE Layer 2/3 switch
440496	1700515G2120	NetVanta 1335 single NIM 24-port Layer 2/3 switch

NetVanta Power over Ethernet Switches

ADTRAN INC

Fully managed 24- and 48-port Fast and Gigabit Power over Ethernet (PoE) switches are optimized for implementing data networks requiring PoE for IP phones, wireless access points (WAPs), IP surveillance cameras and other 802.3af-powered devices. These products also offer a unique power-conservation feature by powering down devices when not in use or scheduling when to turn off power after business hours to minimize security risks.

FEATURES
- Link aggregation, LLDP and LLDP/MED
- Support for up to 255 active VLANs
- Wi-Fi access controller for centralized management of NetVanta wireless access points (WAPs)
- Recognizable command line interface (CLI) and ease to use Web GUI
- Cable diagnostics identify cable length and detect shorts or open twisted pair

NETVANTA POE MANAGED SWITCHES

Anixter No.	Vendor No.	Description
490928	1702595G1	NetVanta 1234 PoE 2nd generation, 24-port managed Layer 2 Fast Ethernet switch with PoE (802.3af) and four SFP slots
490929	1702599G1	NetVanta 1238 PoE 2nd generation, 48-port managed Layer 2 Fast Ethernet switch with PoE (802.3af) and four SFP slots

Anixter No.	Vendor No.	Description
374349	1702591G1	NetVanta 1534 PoE 2nd generation, 28-port managed Layer 3 Gigabit Ethernet switch with PoE (802.3af) and four SFP slots
488633	4702595G10IN	NetVanta 1535 PoE, 28-port managed Layer 3 Gigabit Ethernet switch with ActivReach Ethernet, supporting 802.3af Power over Ethernet
486042	1702545G1	NetVanta 1544 PoE 2nd generation, 28-port managed Layer 3 Gigabit Ethernet switch with PoE (802.3af) and four SFP slots
443962	4700569F1	NetVanta 1638 PoE, 48-port managed Layer 3 Gigabit Ethernet switch with PoE (802.3af) and two 10 Gbps uplink ports

NETVANTA MULTISERVICE ROUTER WITH POE SWITCH

Anixter No.	Vendor No.	Description
395415	4200821G11120	NetVanta 3448 PoE, single-slot multiservice router supporting two T1s with 8-port PoE switch
395417	1700525E2	NetVanta 1335 PoE, single-slot multiservice router with 24-port PoE Layer 2/3 switch
443961	4200824G11120	NetVanta 3458 PoE, 8-port managed dual NIM Layer 2 Fast Ethernet switch

ProSafe Unmanaged Rack-mount Switches

NETGEAR

Plug-and-play switches are for businesses in need of a small and simple network. ProSafe unmanaged rack-mount switches are 1U rack-mountable to fit in standard 19 in. racks and are packed with ease-of-use features to simplify your networking experience. Matched with Netgear's thorough testing, the ProSafe unmanaged rack-mount switches provide long-lasting performance you can count on.

FEATURES
- Available with (16) or (24) 10/100BASE-TX or 10/100/1000BASE-T ports
- Up to 2,000 Mbps full-duplex throughput over Cat 5 cables
- Auto-detects speed and duplex
- Full lifetime warranty

FAST ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
353974	JFS524	24-port 10/100BASE-TX unmanaged rack-mount switch

GIGABIT ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
374229	JGS516	16-port 10/100/1000BASE-T unmanaged rack-mount switch
373293	JGS524	24-port 10/100/1000BASE-T unmanaged rack-mount switch
425778	JGS524F	24-port 10/100/1000BASE-T unmanaged rack-mount switch with two SFP ports

ProSafe Unmanaged Desktop Switches

NETGEAR

A wide range of desktop switches for your small business, home or home office. Switching functionality with a small footprint.

FEATURES
- Silently delivers up to 2,000 Mbps on each port
- Makes it simple to combine Fast Ethernet and Gigabit devices in your network
- Provides maximum performance, connecting up to 10x faster than Fast Ethernet
- Incorporates plug-and-play ease of use
- Full lifetime warranty

FAST ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
354052	FS105	5-port 10/100BASE-TX unmanaged desktop switch
354050	FS108	8-port 10/100BASE-TX unmanaged desktop switch
354049	FS116	16-port 10/100BASE-TX unmanaged desktop switch

GIGABIT ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
354038	GS105	5-port 10/100/1000BASE-T unmanaged desktop switch
354037	GS108	8-port 10/100/1000BASE-T unmanaged desktop switch
354034	GS116	16-port 10/100/1000BASE-T unmanaged desktop switch

POWER OVER ETHERNET SWITCHES

Anixter No.	Vendor No.	Description
354054	FS108P	8-port 10/100BASE-TX unmanaged desktop switch with PoE (four PoE ports)
354053	FS116P	16-port 10/100BASE-TX unmanaged desktop switch with PoE (eight PoE ports)
425786	GS108P	8-port 10/100/1000BASE-T unmanaged desktop switch with PoE (four PoE ports)

ProSafe Layer 2 Managed Switches

NETGEAR

Netgear ProSafe Layer 2 managed switches are ideal for SMB or branch offices needing reliable, high-performance switching that is easier to use. Full L2 management capability, nonblocking and wire-speed performance provide a secure network foundation optimized for data, wireless and IP communications. Delivering best-in-class networking that is designed to meet the needs of growing networks, these switches are simple to set up and use, with a next-generation browser interface for easy configuration.

FEATURES
- Packet header level control through switch
- ProSupport installation/extended warranty agreements available
- Fiber options available, both single-mode and multimode
- Rack-mountable; rack-mount hardware included
- Full lifetime warranty

Networking Products

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(continued)   ProSafe Layer 2 Managed Switches

FAST ETHERNET SWITCHES
Full Layer 2 Management feature sets including 802.1x, ACL, SSL/SSH and static routing

Anixter No.	Vendor No.	Description
396773	FSM726-300	24-port 10/100BASE-TX managed switch and two SFP-based Gigabit Ethernet uplink ports
353874	AGM731F	GBIC module 1000BASE-SX fiber SFP
353873	AGM732F	GBIC module 1000BASE-LX fiber SFP

GIGABIT ETHERNET SWITCHES
Full Layer 2 Management feature set including 802.1x, ACLS, SSL/SSH, built-in cable testing and static routing

Anixter No.	Vendor No.	Description
353905	GSM7224-200	24-port 10/100/1000BASE-T managed switch and four SFP-based Gigabit Ethernet uplink ports
353904	GSM7248-200	48-port 10/100/1000BASE-T managed switch and four SFP-based Gigabit Ethernet uplink ports
488062	GSM7224P-100NES	24-port 10/100/1000BASE-T managed switch with PoE+ (24 PoE+ ports), 380 W and four SFP-based Gigabit Ethernet uplink ports
488595	GSM7248P-100NES	48-port 10/100/1000BASE-T managed switch with PoE+ (48 PoE+ ports), 380 W and four SFP-based Gigabit Ethernet uplink ports

GIGABIT AND 10G ETHERNET SWITCHES
Full Layer 2 Management feature set including 802.1x, ACLS, SSL/SSH, built-in cable testing and static routing.

Anixter No.	Vendor No.	Description
425790	GSM7228PS	24-port 10/100/1000BASE-T managed switch with PoE+ (24 PoE+ ports), 384 W and four dual-purpose uplink ports
425792	GSM7252PS	48-port 10/100/1000BASE-T managed switch with PoE+ (48 PoE+ ports), 384 W and four dual-purpose uplink ports
445526	XSM7224	24-port 10GBASE-T managed switch and 24 SFP-based Gigabit Ethernet uplink ports

ProSafe Layer 3 Managed Switches

NETGEAR

Netgear ProSafe Gigabit Layer 3 managed switches deliver maximum throughput and flexibility where you need it: to high-speed, high-density workgroups at the edge of the network, in the backbone of growing networks or for bandwidth-thirsty file and application servers.

The full wire-speed, nonblocking design with Layer 3 switching functionality ensures reliable routing between VLANs and network segmentation.

Robust security, quality of service and management features deliver intelligent edge connectivity for essential business applications.

FEATURES
- Auto-sensing Gigabit 10/100/1000 Mbps ports with 10GbE uplinks high-speed stacking ports (up to eight switches)
- Web-based management or command line interface (CLI) configuration
- IEEE Industry Standards compatible. UL, CE and CSA Certified. FCC Part 15 Class A
- VLAN, SNMP, RMON, OSPF, IGMP Support, VRRP standards capable and compliant
- Full packet level control through switch
- Power over Ethernet options for high-density VoIP applications
- Full lifetime warranty

1G AND 10G HIGH-DENSITY FIBER SWITCH

Anixter No.	Vendor No.	Description
353814	GSM7328FS	24 SFP-based Gigabit Ethernet uplink ports and four 10 Gigabit Ethernet uplink ports
445595	XSM7224L	L3 license upgrade
445526	XSM7224	24-port 10GBASE-T managed switch and 24 SFP-based Gigabit Ethernet uplink ports

1G SWITCH WITH 10 GB OPTIONS
With four 10 Gigabit Ethernet slots.

Anixter No.	Vendor No.	Description
353846	GSM7352S	48-port 10/100/1000BASE-T managed switch
353847	GSM7328S	24-port 10/100/1000BASE-T managed switch

LAYER 3 SWITCH ACCESSORIES
Adds 10 Gigabit Ethernet fiber connectivity to the GSM7328S and GSM7352S via the AX741 adapter module.

Anixter No.	Vendor No.	Description
353870	AXM751	10GBASE-SR XFP optics module
353867	AXM752	10GBASE-LR XFP optics module
425795	AXM761	10GBASE-SR SFP+ LC GBIC
425799	AXM762	10GBASE-LR SFP+ LC GBIC
353874	AGM731F	GBIC module 1000BASE-SX fiber SFP
353873	AGM732F	GBIC module 1000BASE-LX fiber SFP
353872	AGM733	GBIC module 1000BASE-ZX fiber SFP

ADAPTER MODULE
Interoperates with standard 10GBASE-X XFP optics modules.

Anixter No.	Vendor No.	Description
353877	AX741	10 Gigabit Ethernet XFP adapter module
425801	AX743	10 Gigabit Ethernet SFP+ adapter module
425803	AX744	10 Gigabit Ethernet CX4 module
353876	AX742	24 Gigabit Ethernet stacking kit

Networking Products

ProSafe Smart Managed Switch

NETGEAR

Netgear ProSafe Smart switches deliver reliable management and expandability without the cost and complexity of a full Layer 2 and Layer 3 management implementation.

FEATURES

- Intuitive Web browser interface
- Includes key Layer 2/3 management features including monitoring and configuring ports
- Advanced Smart switches include access control lists, port trunking, rate limiting, spanning tree, IGMP, etc.
- Incorporates plug-and-play ease of use
- Full lifetime warranty

FAST ETHERNET

Anixter No.	Vendor No.	Description
396790	FS726T	24-port 10/100BASE-TX Smart switch with two 10/100/1000BASE-T ports and one SFP-based Gigabit Ethernet uplink port
396792	FS750T2	48-port 10/100BASE-TX Smart switch with two 10/100/1000BASE-T ports and two SFP-based Gigabit Ethernet uplink ports

FAST ETHERNET WITH POWER OVER ETHERNET

Anixter No.	Vendor No.	Description
353917	FS726TP	24-port 10/100BASE-TX Smart switch with PoE (12 PoE ports) and two SFP-based Gigabit Ethernet uplink ports
353914	FS728TP	24-port 10/100BASE-TX Smart switch with PoE (24 PoE ports) and two SFP-based Gigabit Ethernet uplink ports
353915	FS752TP	48-port 10/100BASE-TX Smart switch with PoE (24 PoE ports) and four SFP-based Gigabit Ethernet uplink ports

GIGABIT ETHERNET

Anixter No.	Vendor No.	Description
396782	GS108T-200	8-port 10/100/1000BASE-T Smart switch
395420	GS724T-300	24-port 10/100/1000BASE-T Smart switch and two SFP slots
396783	GS748T	48-port 10/100/1000BASE-T Smart switch and four SFP slots
396786	GS724TS-100	24-port 10/100/1000BASE-T stackable Smart switch and four SFP slots
396787	GS748TS-100	48-port 10/100/1000BASE-T stackable Smart switch and four SFP slots

ProSafe Power over Ethernet Switches

NETGEAR

PoE optimizes the installation and power management of IEEE 802.3af standard-based network devices such as access points, VoIP phones and IP-based surveillance cameras. PoE reduces installation costs and frees your wireless deployment from restrictions due to power outlet locations.

FEATURES

- Dynamic routing and QoS capabilities enable VoIP and videoconferencing
- Power over Ethernet (802.3af PoE), with redundant power supply port
- All 24- and 48- RJ45 port switches automatically negotiate to the highest speed and support Auto Uplink technology to make the right link
- Full lifetime warranty

FAST ETHERNET SMART SWITCH WITH POE

Anixter No.	Vendor No.	Description
353917	FS726TP	24-port 10/100BASE-TX Smart switch with PoE (12 PoE ports) and two SFP-based Gigabit Ethernet uplink ports
353914	FS728TP	24-port 10/100BASE-TX Smart switch with PoE (24 PoE ports) and two SFP-based Gigabit Ethernet uplink ports
353915	FS752TP	48-port 10/100BASE-TX Smart switch with PoE (24 PoE ports) and four SFP-based Gigabit Ethernet uplink ports

GIGABIT ETHERNET SMART SWITCH WITH POE

With a total power budget of 192 W for the GS724TP and 384 W for the GS748TP, customers can choose to plug in up to 48 IEEE 802.3af IP-based devices.

Anixter No.	Vendor No.	Description
488510	GS108PE	8-port 10/100/1000BASE-T Smart switch with PoE (four PoE ports), 46 W
425822	GS110TP	8-port 10/100/1000BASE-T Smart switch with PoE (eight PoE ports), 46 W and two Gigabit Ethernet fiber SFP slots
353913	GS724TP	24-port 10/100/1000BASE-T Smart switch with PoE (24 PoE ports), 192 W and two SFP fiber slots
353912	GS748TP	48-port 10/100/1000BASE-T Smart switch with PoE (48 PoE ports), 384 W and four SFP fiber slots
396775	GS724TPS	24-port 10/100/1000BASE-T stackable Smart switch with PoE (24 PoE ports), 192 W and four SFP fiber slots

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(continued)   ProSafe Power over Ethernet Switches

Anixter No.	Vendor No.	Description
396777	GS748TPS	48-port 10/100/1000BASE-T stackable Smart switch with PoE (48 PoE ports), 192 W and four SFP fiber slots
488595	GSM7248P-100NES	48-port 10/100/1000BASE-T managed switch with PoE+ (48 PoE+ ports), 380 W and four SFP-based Gigabit Ethernet uplink ports

GIGABIT ETHERNET FULLY MANAGED SWITCH WITH POE+

Anixter No.	Vendor No.	Description
488062	GSM7224P-100NES	24-port 10/100/1000BASE-T managed switch with PoE+ (24 PoE+ ports), 380 W and four SFP-based Gigabit Ethernet uplink ports
425790	GSM7228PS	24-port 10/100/1000BASE-T managed switch with PoE+ (24 PoE+ ports), 384 W and four dual-purpose uplink ports
488595	GSM7248P-100NES	48-port 10/100/1000BASE-T managed switch with PoE+ (48 PoE+ ports), 380 W and four SFP-based Gigabit Ethernet uplink ports
425792	GSM7252PS	48-port 10/100/1000BASE-T managed switch with PoE+ (48 PoE+ ports), 384 W and four dual-purpose uplink ports

Networking Products

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Cisco Systems

Cisco Catalyst 2960 Series Switches

CISCO SYSTEMS

The Cisco Catalyst 2960-S and 2960 Series Switches are the leading Layer 2 edge, providing improved ease of use, highly secure business operations, improved sustainability, and a borderless network experience. The Catalyst 2960-S Series Switches include new FlexStack switch stacking capability with 1 and 10 Gigabit connectivity, and Power over Ethernet Plus (PoE+) with the Cisco Catalyst 2960 Series Switches offering Fast Ethernet access connectivity and PoE capabilities. The Cisco Catalyst 2960-S and 2960 Series are fixed-configuration access switches designed for enterprise, midmarket and branch office networks to provide lower total cost of ownership.

FEATURES

- Catalyst 2960 Series Switches
  - Dual-purpose uplinks for Gigabit Ethernet uplink flexibility, allowing use of either a copper or fiber uplink; each dual-purpose uplink port has one 10/100/1000 Ethernet port and one SFP-based Gigabit Ethernet port, with one port active at a time
  - 24 or 48 ports of Fast Ethernet desktop connectivity
  - PoE configurations with up to 15.4 W per port
  - A wide range of software features to provide ease of operation, highly secure business operations, sustainability, and a borderless networking experience
  - Limited lifetime hardware warranty
- Catalyst 2960-S Series Switches
  - 1 and 10 Gigabit Ethernet uplink flexibility with small form factor pluggable plus (SFP+), providing business continuity and fast transition to 10 Gigabit Ethernet
  - 24 or 48 ports of Gigabit Ethernet desktop connectivity
  - Cisco FlexStack stacking module with 20 Gbps of throughput, allowing ease of operation with single configuration and simplified switch upgrade
  - PoE+ with up to 30 W per port that allows you to support the latest PoE+ capable devices
  - Power supply options, with 740 W or 370 W fixed power supplies for PoE+ switches are available
  - USB storage for file backup, distribution and simplified operations
  - A wide range of software features to provide ease of operation, highly secure business operations, sustainability, and a borderless network experience
  - Limited lifetime hardware warranty, including next-business-day replacement with 90-day service and support

CATALYST 2960 SERIES - LAN BASE IMAGE

Anixter No.	Vendor No.	Description
366762	WS-C2960-24TC-L	24-port 10/100BASE-T and two dual-purpose uplink ports, LAN Base Image
338978	WS-C2960-24TT-L	24-port 10/100BASE-T and two SFP-based Gigabit Ethernet uplink ports, LAN Base Image
428503	WS-C2960-24PC-L	24-port 10/100BASE-T with PoE (24 PoE ports) and two dual-purpose uplink ports, LAN Base Image
422261	WS-C2960-24LT-L	24-port 10/100BASE-TX with PoE (eight PoE ports) and two SFP-based Gigabit Ethernet uplink ports, LAN Base Image
422304	WS-C2960G-24TC-L	20-port 10/100/1000BASE-T and four dual-purpose uplink ports, LAN Base Image
490537	WS-C2960-48TC-L	48-port 10/100BASE-T and two dual-purpose uplink ports, LAN Base Image
490536	WS-C2960-48TT-L	48-port 10/100BASE-T and two SFP-based Gigabit Ethernet uplink ports, LAN Base Image
428504	WS-C2960-48PST-L	48-port 10/100BASE-T with PoE (24 PoE ports) and four SFP-based Gigabit Ethernet uplink ports, LAN Base Image
422305	WS-C2960G-48TC-L	44-port 10/100/1000BASE-T and four dual-purpose uplink ports, LAN Base Image

CATALYST 2960 SERIES - LAN LITE IMAGE

Anixter No.	Vendor No.	Description
490538	WS-C2960-24-S	24-port 10/100BASE-TX, LAN Lite Image
422216	WS-C2960-24TC-S	24-port 10/100BASE-TX and two dual-purpose uplink ports, LAN Lite Image
422262	WS-C2960-24PC-S	24-port 10/100BASE-TX with PoE (24 PoE ports) and two dual-purpose uplink ports, LAN Lite Image
490564	WS-C2960-24LC-S	24-port 10/100BASE-TX with PoE (eight PoE ports) and two dual-purpose uplink ports, LAN Lite Image
422303	WS-C2960-48TC-S	48-port 10/100BASE-TX, two dual-purpose uplink ports, LAN Lite Image
482905	WS-C2960-48TT-S	48-port 10/100BASE-TX, two SFP-based Gigabit Ethernet uplink ports, LAN Lite Image
490562	WS-C2960-48PST-S	48-port 10/100BASE-TX with PoE (24 PoE ports) and four SFP-based Gigabit Ethernet uplink ports, LAN Lite Image

CATALYST 2960 SERIES COMPACT SWITCHES

Anixter No.	Vendor No.	Description
366763	WS-C2960-8TC-L	8-port 10/100BASE-TX and one dual-purpose uplink, no fan, LAN Base Image
422188	WS-C2960-8TC-S	8-port 10/100BASE-TX and one dual-purpose uplink port, no fan, LAN Lite Image
490555	WS-C2960PD-8TT-L	8-port 10/100BASE-TX switch and one Gigabit Ethernet PoE input port, no fan, LAN Base Image
482394	WS-C2960G-8TC-L	7-port 10/100/1000BASE-T and one dual-purpose uplink port, no fan, LAN Base Image

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Cisco Catalyst 2960-S Series Switches

CISCO SYSTEMS

CATALYST 2960-S SERIES SWITCHES WITH 1G OR 10G UPLINKS

Anixter No.	Vendor No.	Description
490579	WS-C2960S-24TD-L	24-port 10/100/1000BASE-T and two (1G or 10G) uplink ports, LAN Base Image
490578	WS-C2960S-48TD-L	48-port 10/100/1000BASE-T and two (1G or 10G) uplink ports, LAN Base Image
490577	WS-C2960S-24PD-L	24-port 10/100/1000BASE-T with PoE+ (24 PoE ports) and two (1G or 10G) uplink ports, 370 W, LAN Base Image
490576	WS-C2960S-48LPD-L	48-port 10/100/1000BASE-T with PoE+ (24 PoE ports) and two (1G or 10G) uplink ports, 370 W, LAN Base Image
490575	WS-C2960S-48FPD-L	48-port 10/100/1000BASE-T with PoE+ (48 PoE ports) and two (1G or 10G) uplink ports, 740 W, LAN Base Image

CATALYST 2960-S SERIES SWITCHES WITH 1G UPLINKS

Anixter No.	Vendor No.	Description
490586	WS-C2960S-24TS-S	24-port 10/100/1000BASE-T and two Gigabit Ethernet uplink ports, LAN Lite Image
437252	WS-C2960S-48TS-S	48-port 10/100/1000BASE-T and two Gigabit Ethernet uplink ports, LAN Lite Image
490585	WS-C2960S-24TS-L	24-port 10/100/1000BASE-T and four Gigabit Ethernet uplink ports, LAN Base Image
490584	WS-C2960S-48TS-L	48-port 10/100/1000BASE-T and four Gigabit Ethernet uplink ports, LAN Base Image
490583	WS-C2960S-24PS-L	24-port 10/100/1000BASE-T with PoE+ (24 PoE ports) and four Gigabit Ethernet uplink ports, 370 W, LAN Base Image
490581	WS-C2960S-48LPS-L	48-port 10/100/1000BASE-T with PoE+ (24 PoE ports) and four Gigabit Ethernet uplink ports, 370 W, LAN Base Image
490580	WS-C2960S-48FPS-L	48-port 10/100/1000BASE-T with PoE+ (48 PoE ports) and four Gigabit Ethernet uplink ports, 740 W, LAN Base Image

FLEXSTACK STACKING CABLES

Anixter No.	Vendor No.	Description
490587	C2960S-STACK	Cisco FlexStack stacking module
490543	CAB-STK-E-0.5M	Cisco FlexStack 50 cm stacking cable
490544	CAB-STK-E-1M	Cisco FlexStack 1 m stacking cable
490545	CAB-STK-E-3M	Cisco FlexStack 3 m stacking cable

Cisco Catalyst 3560 v2 Series Switches

CISCO SYSTEMS

The Cisco Catalyst 3560 v2 Series is the next-generation energy-efficient Layer 3 Fast Ethernet switches. This series of switches support Cisco EnergyWise technology, which enables companies to measure and manage power consumption of network infrastructure and network-attached devices, thereby reducing their energy costs and their carbon footprint. The Cisco Catalyst 3560 v2 Series consumes less power than its predecessors and is the ideal access layer switch for enterprise, retail, and branch-office environments, as it maximizes productivity and investment protection by enabling a unified network for data, voice and video.

FEATURES

- Lower power consumption than its predecessors
- Backward compatible - uses the same Cisco IOS Software image as the 3560 series and has the same feature set
- Full EnergyWise support to monitor energy consumption of network infrastructure and implement energy saving programs to reduce energy costs
- Compatible with Cisco Redundant Power System (RPS) 2300
- All units have a uniform depth of 11.9 inches for better cable management
- Preconfigurable with the Cisco IOS Software release at the time of ordering
- IPv6 routing included in the IP Services feature set
- DC-powered stand-alone model

Anixter No.	Vendor No.	Description
428505	WS-C3560-8PC-S	8-port 10/100BASE-TX with PoE (eight PoE ports) and one dual-purpose uplink ports, no fan, IP Base Image
490572	WS-C3560-12PS-S	12-port 10/100BASE-TX with PoE (eight PoE ports) and one dual-purpose uplink ports, IP Base Image, no fan
445446	WS-C3560V2-24TS-S	24-port 10/100BASE-TX and two SFP-based Gigabit Ethernet uplink ports, IP Base Image
490570	WS-C3560V2-24TS-E	24-port 10/100BASE-TX and two SFP-based Gigabit Ethernet uplink ports, IP Services Image
434395	WS-C3560V2-24PS-S	24-port 10/100BASE-TX with PoE (24 PoE ports) and two SFP-based Gigabit Ethernet uplink ports, IP Base Image
490568	WS-C3560V2-24PS-E	24-port 10/100BASE-TX with PoE (24 PoE ports) and two SFP-based Gigabit Ethernet uplink ports, IP Services Image
445448	WS-C3560V2-48TS-S	48-port 10/100BASE-TX and four SFP-based Gigabit Ethernet uplink ports, IP Base Image

Anixter No.	Vendor No.	Description
490573	WS-C3560V2-48TS-E	48-port 10/100BASE-TX and four SFP-based Gigabit Ethernet uplink ports, IP Services Image
443145	WS-C3560V2-48PS-S	48-port 10/100BASE-TX with PoE (24 PoE ports) and four SFP-based Gigabit Ethernet uplink ports, IP Base Image
490574	WS-C3560V2-48PS-E	48-port 10/100BASE-TX with PoE (24 PoE ports) and four SFP-based Gigabit Ethernet uplink ports, IP Services Image

Cisco Catalyst 3750 Series Switches

CISCO SYSTEMS

The Cisco Catalyst 3750 Series switches are an innovative product line that improves LAN operating efficiency by combining industry-leading ease of use and the highest resiliency available for stackable switches. It represents the next generation in desktop switches, and features Cisco StackWise technology, a 32 Gbps stack interconnect that allows customers to build a unified, highly resilient switching system - one switch at a time.

FAST ETHERNET

Anixter No.	Vendor No.	Description
380141	WS-C3750-24TS-S	24-port 10/100BASE-TX and two empty SFP ports
422308	WS-C3750-48TS-S	48-port 10/100BASE-TX and four empty SFP ports
425375	WS-C3750-24FS-S	24-port 10/100BASE-FX and two empty SFP ports
422306	WS-C3750-24PS-S	24-port 10/100BASE-TX with PoE and two SFP-based Gigabit Ethernet uplink ports, IP Base Image
425370	WS-C3750-48PS-S	48-port 10/100BASE-TX with PoE and four empty SFP ports

GIGABIT ETHERNET

Anixter No.	Vendor No.	Description
368145	WS-C3750G-24T-S	24-port 10/100/1000BASE-T
422311	WS-C3750G-12S-SD	12-port 10/100/1000BASE-T and 12 empty SFP ports
422312	WS-C3750G-48TS-S	48-port 10/100/1000BASE-T and four empty SFP ports
425377	WS-C3750G-24PS-S	24-port 10/100/1000BASE-T with PoE and four empty SFP ports
425378	WS-C3750G-48PS-S	48-port 10/100/1000BASE-T with PoE and four SFP-based Gigabit Ethernet uplink ports, IP Base Image

Cisco Catalyst 3750 v2 Series Switches

CISCO SYSTEMS

The Cisco Catalyst 3750 v2 Series is the next-generation of energy-efficient Layer 3 fast Ethernet, stackable switches. This new series of switches support Cisco EnergyWise technology, which enables companies to measure and manage power consumption of network infrastructure and network-attached devices, thereby reducing their energy costs and their carbon footprint.

The Cisco Catalyst 3750 v2 Series Switch consumes less power than its predecessors and is the ideal access layer switch for enterprise, retail and branch-office environments, as it maximizes productivity and investment protection by enabling a unified network for data, voice and video.

FEATURES

- Lower power consumption than its predecessors
- Backward compatible with Cisco Catalyst 3750 and 3750-E Series
- Full EnergyWise support to monitor energy consumption of network infrastructure and implement energy-saving programs to reduce energy costs
- Compatible with Cisco Redundant Power System (RPS) 2300
- Uniform depth of 11.9 inches for better cable management
- Preconfigurable with the Cisco IOS Software release at the time of ordering
- IPv6 routing included in the IP Services feature set

CATALYST 3750 V2 SWITCHES

Anixter No.	Vendor No.	Description
445471	WS-C3750V2-24TS-S	24-port 10/100BASE-TX and two SFP-based Gigabit Ethernet uplink ports, IP Base Image
483682	WS-C3750V2-24TS-E	24-port 10/100BASE-TX and two SFP-based Gigabit Ethernet uplink ports, IP Services Image
447143	WS-C3750V2-24PS-S	24-port 10/100BASE-TX with PoE (24 PoE ports) and two SFP-baed Gigabit Ethernet uplink ports, IP Base Image
490486	WS-C3750V2-24PS-E	24-port 10/100BASE-TX with PoE (24 PoE ports) and two SFP-based Gigabit Ethernet uplink ports, IP Services Image
445472	WS-C3750V2-48TS-S	48-port 10/100BASE-TX and four SFP-based Gigabit Ethernet uplink ports, IP Base Image
490472	WS-C3750V2-48TS-E	48-port 10/100BASE-TX and four SFP-based Gigabit Ethernet uplink ports, IP Services Image
445476	WS-C3750V2-48PS-S	48-port 10/100BASE-TX with PoE (24 PoE ports) and four SFP-based Gigabit Ethernet uplink ports, IP Base Image
490487	WS-C3750V2-48PS-E	48-port 10/100BASE-TX with PoE (24 PoE ports) and four SFP-based Gigabit Ethernet uplink ports, IP Services Image

STACKING CABLES

Anixter No.	Vendor No.	Description
490546	CAB-STACK-50CM	StackWise 50 cm cable
398980	CAB-STACK-1M	StackWise 1 m cable
490547	CAB-STACK-3M	StackWise 3 m cable

Networking Products

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Hewlett Packard

HP V-Series Switches

HEWLETT PACKARD

HP V-Series devices are smart-managed fixed configuration, fast Ethernet and Gigabit Layer 2 switches designed for small- and medium-sized businesses looking for an easily managed, low-cost networking solution.

FEATURES

- Smart-managed Layer 2 switching
- Gigabit and Fast Ethernet configurations
- Intuitive Web interface for network enhancements
- Access control list security; PoE models

HP V1905 SERIES

HP V1905 series devices are smart-managed fixed configuration fast Ethernet and Gigabit Layer 2 switches designed for small-and medium-sized businesses looking for an easily managed, low-cost networking solution.

Anixter No.	Vendor No.	Description
439820	JD877A	HP V1905-8-POE, 8-port 10/100 managed PoE switch with one combo SFP-based Gigabit Ethernet uplink port
439841	JD992A	HP V1905-24-POE, 24-port 10/100 managed PoE switch with two combo SFP-based Gigabit Ethernet uplink ports
439813	JD864A	HP V1905-10G-POE, 10-port 10/100/1000 managed PoE switch with one shared SFP-based Gigabit Ethernet uplink port

HP V1910 SERIES

HP V1910 series devices are smart-managed, voice-ready fixed configuration Gigabit Layer 2+ switches which also have Layer 3 static routing unlike the HP V1905 series. The HP V1910 series is designed for small-and mid-sized businesses looking for an easy-to-manage advanced networking solution.

Anixter No.	Vendor No.	Description
439848	JE008A	HP V1910-24G-POE (170 W), 24-port 10/100/1000 managed PoE switch with four SFP-based Gigabit Ethernet uplink ports
439847	JE007A	HP V1910-24G-POE (365 W), 24-port 10/100/1000 managed PoE switch with four SFP-based Gigabit Ethernet uplink ports

HP V-SERIES ACCESSORIES

Anixter No.	Vendor No.	Description
439464	X120 LC SX	X120 SFP (mini-GBIC) transceiver module - 1000BASE-SX - LC
439491	X120 RJ45	X120 SFP (mini-GBIC) transceiver module - 1000BASE-T - RJ45
439492	X120 LC LX	X120 SFP (mini-GBIC) transceiver module - 1000BASE-LX - LC
439678	X124	X124 SFP (mini-GBIC) transceiver module - 1000BASE-SX - LC - plug-in module

Networking Products

HP E-Series Switches

HEWLETT PACKARD

The HP E-Series Switches support network redundancy at Layer 2 and Layer 3, networks supporting IPv4 and IPv6, as well as OSPFv2 and OSPFv3 and IP multicast-supported network systems. The HP E-Series also offers a lot of flexibility and features when comes to managing your network.

FEATURES

- Enhanced availability
- Modular and fixed-port switching form factors
- Supports data, voice, video and guest access
- N+1 redundancy
- Layer 2 and 3

HP E2610 SWITCH SERIES

The HP E2610 Switch series is a cost-effective solution for customers who are building converged enterprise edge networks. The HP E2610-24-PPoE, E2610-24-PoE and E2610-48-PoE Switches are IEEE 802.3af compliant for Power over Ethernet (PoE) and provide up to 15.4 W for 12, 24 and 48 ports. The HP E2610 Switch Series also comes with static routing, robust security and management features.

Anixter No.	Vendor No.	Description
438146	J9086A ABA	HP E2610-24-PoE, 24-port managed 10/100 switch with 12 PoE ports and two SFP-based Gigabit Ethernet uplink ports
438147	J9087A ABA	HP E2610-24-PoE, 24-port managed PoE switch with two SFP-based Gigabit Ethernet uplink ports
438148	J9089A ABA	HP E2610-48-PoE, 48-port managed PoE switch with two SFP-based Gigabit Ethernet uplink ports

HP E2910 SWITCH SERIES

The HP E2910 Switch Series is a cost-effective, scalable solution for customers who are building high-performance networks. These switches can be deployed at enterprise edge and remote branch offices, converged networks and data center top of rack. The HP E2910 Switch Series also comes with static and RIP IPv4 routing, robust security and management and enterprise-class features.

Anixter No.	Vendor No.	Description
438149	J9146A ABA	HP E2910-24G-PoE, 24-port managed PoE switch with four SFP-based Gigabit Ethernet uplink ports
438151	J9148A	HP E2910-48G-PoE, 48-port managed PoE switch with four SFP-based Gigabit Ethernet uplink ports

HP E3500 SWITCH SERIES

The HP E3500 Switch Series offers excellent investment protection, flexibility and scalability, as well as ease of deployment, operation and maintenance. The E3500 series consists of the most advanced intelligent edge switches in the HP Networking product line. The foundation for all these switches is a purpose-built, programmable ProVision ASIC that allows the most demanding networking features, such as quality of service (QoS) and security with a variety of Gigabit and 10/100 interfaces; integrated PoE+, PoE and non-PoE options; and versatile 10 GbE connectivity (CX4, X2 and SFP+) on Gigabit switches.

Anixter No.	Vendor No.	Description
438153	J9310A ABA	HP E3500-24G-POE, 24-port 10/100/1000 managed PoE switch with four SFP-based Gigabit Ethernet uplink ports

HP E6200 SWITCH SERIES

The HP E6200 Switch Series is designed to be deployed as an aggregator of traffic from the edge to the core of the network, this switch is an advanced Layer 3 stackable switch in 1U height. The HP E6200 Switch Series also supports a variety of Gigabit mini-GBICs, such as SX, LX, LH and 1000BASE-T. With its high-performance architecture, 10 GbE capability, and programmable ASIC, this switch offers excellent investment protection, flexibility and scalability.

Anixter No.	Vendor No.	Description
438156	J8992A ABA	HP E6200-24G (mini-GBIC) L3 managed PoE switch with 24 SFP-based Gigabit Ethernet uplink ports

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Juniper Networks

EX2200 Ethernet Switches

JUNIPER NETWORKS (US) INC

The Juniper Networks EX2200 Ethernet Switch offers an economical, entry-level, stand-alone solution for access-layer deployments in branch and remote offices, as well as campus networks.

Featuring complete Layer 2 and basic Layer 3 switching capabilties, the fixed configuration Ethernet switches satisfy the branch and low-density wiring closet connectivity requirements of today's high-performance businesses.

FEATURES

- Four platform configurations are available offering 24 and 48 10/100/1000BASE-T ports with or without PoE
- PoE-enabled models include a maximum system budget of 405 W to deliver up to 15.4 watts of standards-based 802.3at PoE＋
- Four front panel small form factor pluggable transceiver (SFP) GbE uplink ports provide high-speed connectivity to aggregation layer switches or other upstream devices
- Fixed power supply and uplink ports ensure operational simplicity
- Low power consumption, low acoustic fans, and small 10-inch wide footprint enable flexible, environmentally friendly deployment
- Support for L2 protocols as well as L3 protocols like RIP and static routing in base license
- Optional enhanced license for supporting additional L3 protocols such as OSPF, Internet
- Group Management Protocol (IGMP v1/v2/v3), and Protocol Independent Multicast (PIM)
- Single-release train for Juniper Networks Junos operating system ensures consistent control plane feature implementation
- Modular Junos OS prevents a switch reboot if a single protocol feature fails
- Managed through a single application, Juniper Networks Network and Security Manager and integrates with Juniper Networks Unified Access Control to provide per-user access control and policing
- Enhanced limited lifetime switch hardware warranty
- Built-in Web interface (Juniper Networks J-Web Software)

Anixter No.	Vendor No.	Description
482581	EX2200-24T-4G	Juniper EX 2200 24T switch, 24-port managed 10/100/1000 switch with four SFP-based Gigabit Ethernet uplink ports
482582	EX2200-24P-4G	Juniper EX 2200 24P switch, 24-port managed 10/100/1000 PoE switch with four SFP-based Gigabit Ethernet uplink ports, 405 W total PoE power budget
482584	EX2200-48T-4G	Juniper EX 2200 48T switch, 48-port managed 10/100/1000 switch with four SFP-based Gigabit Ethernet uplink ports
482588	EX2200-48P-4G	Juniper EX 2200 48P switch, 48-port managed 10/100/1000 PoE switch with four SFP-based Gigabit Ethernet uplink ports, 405 W total PoE power budget

Brocade

ICX 6400 Series Switches

BROCADE COMMUNICATIONS SERVICE

Brocade ICX 6430 and 6450 Switches provide enterprise-class stackable LAN switching at an entry-level price, allowing organizations to buy what they need now and easily scale as demand grows and new technologies emerge. Designed for small- to medium-size enterprises, branch offices, and distributed campuses, these intelligent, scalable edge switches deliver enterprise-class functionality at an affordable price - without compromising on performance and reliability.

Available in 24- and 48-port 10/100/1000 Mbps models and four 1 GbE or 10 GbE dual-purpose uplink/stacking ports - with or without IEEE 802.3af and 802.3at PoE/PoE+) - to support enterprise edge networking, wireless mobility and IP communications.

Anixter No.	Vendor No.	Description
483011	ICX6430-24	24-port 10/100/1000BASE-T switch with four SFP-based Gigabit Ethernet uplink ports
483012	ICX6430-24P	24-port 10/100/1000BASE-T PoE+ switch with four SFP-based Gigabit Ethernet uplink ports
483016	ICX6430-48	48-port 10/100/1000BASE-T switch with four SFP-based Gigabit Ethernet uplink ports
483019	ICX6430-48P	48-port 10/100/1000BASE-T PoE+ switch with four SFP-based Gigabit Ethernet uplink ports
483020	ICX6450-24	24-port 10/100/1000BASE-T switch with two SFP-based Gigabit Ethernet (upgradable to 10 GbE) and two SFP-based 1 GbE/10 GbE uplink ports
483021	ICX6450-24P	24-port 10/100/1000BASE-T PoE+ switch with two SFP-based Gigabit Ethernet uplink ports
483022	ICX6450-48	48-port 10/100/1000BASE-T switch with two SFP-based Gigabit (upgradable to 10 GbE) and two SFP-based 1 GbE/10 GbE uplink ports
483023	ICX6450-48P	48-port 10/100/1000BASE-T PoE+ switch with two 1 GbE SFP+ (upgradable to 10 GbE) and two 1 GbE/10 GbE SFP+ uplinks

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GarrettCom

PES42P Magnum Power over Ethernet Edge Switch

GARRETTCOM

The PES42P is a small, compact plug-and-play switch that combines standard 802.3af PoE with an industrial-grade edge switch for support of PoE device clusters. PES42P models with one- or two-fiber ports also provide noise immunity and high bandwidth. The outdoor temperature rating makes it ideal to handle heavy-duty applications for IP video surveillance, wireless and access security.

FEATURES

- Two integrated, non-PoE 100 Mb copper or fiber ports
- Four Power Source PoE ports per the IEEE 802.3af Standard
- 48 V DC power input
- Power alarm relay
- Mounting options include panel, rack or DIN-rail

Anixter No.	Vendor No.	Description
353772	PES42P-48VDC	Two 10/100 non-PoE ports and four 10/100 RJ45 PoE ports
353773	PES42P-1SC-48VDC	One SC multimode non-PoE 100 Mb fiber port, one standard 10/100 port and four 10/100 RJ45 PoE ports
353774	PES42P-2SC-48VDC	Two SC multimode non-PoE 100 Mb fiber ports and four 10/100 RJ45 PoE ports
353775	PES42P-1SSC-48VDC	One SC single-mode non-PoE 100 Mb fiber port, one standard 10/100 port and four 10/100 RJ45 PoE ports
353776	PES42P-2SSC-48VDC	Two SC single-mode non-PoE 100 Mb fiber ports and four 10/100 RJ45 PoE ports

Garrettcom Magnum 10KT Managed Switch

GARRETTCOM

The Magnum10KT Switch provides rack-mount space efficiency and advanced port configurability for heavy-duty industrial applications where maximum fiber port count and diversity are required. New advanced thermal design techniques (patent pending) enable the 10KT to deliver high reliability and configurability even at extended operating temperatures. Special optional rack-mount cooling features include Thermal Fins for extra heat dissipation and internal heat-transfer techniques that use the case as a heat sink. Cooler operation of internal electronic components leads to longer lifetime and increased reliability.

FEATURES

- Next-generation 36-port industrial switch with configurability and reliability
- Optional dual hot-swappable power supplies in a 1U or 1.5U rack-mount package
- Optional precision timing, full IEEE 1588v2 implementation
- High-density PoE and PoE+ configurations supported
- Energy-efficient thermal design for maximum reliability
- Substation-hardened, IEEE 1613 and IEC 61850-3-compliant

CHASSIS

Anixter No.	Vendor No.	Description
485543	10KT-AC	Front mount with worldwide AC power (100 to 240 V)
485544	10KT-L	Front mount with 24/48 V DC power
485545	10KTP-L	PoE-version front mount with 24/48 V DC power
485547	10KTP-LL	PoE-version front mount with two 24/48 V DC fixed power supplies
485548	10KTP-HSPLL	PoE-version front mount with dual 24/48 V DC hot-swap power supplies (add 2 HSPM-L)
485559	HSPM-L	Hot-swappable 24/48 V DC power supply

SLOTS A&B GIGABIT MODULE OPTIONS

Anixter No.	Vendor No.	Description
485565	10K2-GCU	Two Gigabit RJ45 ports
485566	10K2-2GSFP	Two Gigabit open SFP slots (add SFP transceivers)
485567	SFP-GTP	Gigabit copper SFP transceiver
353744	SFP-SX	1000 Mb SX Gigabit fiber optic SFP transceiver, 850 nm, 550 m

SLOTS C-J 100MB MODULE OPTIONS

Anixter No.	Vendor No.	Description
485568	10K4-RJ45	Four 10/100 copper ports
485570	10K4P-RJ45	Four 10/100 802.3af PoE ports (32 ports max.) requires PoE chassis
485571	10K4PX-RJ45	Four 10/100 802.3at PoE ports (16 ports max.) requires PoE chassis
485572	10K4-MLC	Four multimode 2 km LC fiber ports
485573	10K4-SLC	Four single-mode 20 km LC fiber ports
485574	10K2-MSC	Two multimode 2 km SC fiber ports
485576	10K2-MST	Two multimode 2 km ST fiber ports
485578	10K2-SST	Two single-mode 20 km ST fiber ports
485579	10K2-SSC	Two single-mode 20 km SC fiber ports
485581	10K4-FXSFP	SFP module with four 100 Mb open transceiver ports (add four SFP transceivers)
485583	SFP100P-FXMM2	100FX multimode 2 km SFP transceiver
485584	SFP100P-FXSM20	100FX single-mode 20 km SFP transceiver
485585	SFP100P-FXSM40	100FX single-mode, 40 km, SFP transceiver

GarrettCom Magnum 6KL Managed Switch

GARRETTCOM

The Magnum 6KL is a configurable managed industrial Ethernet edge switch with full-featured MNS-6K software. It incorporates reliability and security in a compact package designed for harsh environments. The base unit has four 10/100 copper ports. Up to four 100 Mb fiber ports (SC, ST, LC and MTRJ), or four 10/100 copper ports (or combinations) may also be configured. 2 Gb ports are optional.

FEATURES
- Highly configurable, all fiber port types and up to 2 GB with SFPs
- Up to four 100 Mb fiber ports (SC, ST, LC, MTRJ) may be configured; multimode and single-mode
- Supports both PoE and PoE+
- AC and DC power supply options
- Temperature -40°C to 85°C

CHASSIS

Anixter No.	Vendor No.	Description
453121	6KL-AC	AC power, slot A has four 10/100 ports
485613	6KL-24V	24 V DC power, slot A has four 10/100 ports
485614	6KL-12V	12 V DC power, slot A has four 10/100 ports
481635	6KLP-48V	48 V DC power, slot A has four (803.3af) PoE 10/100 ports

SLOT C 100 MB MODULES

Anixter No.	Vendor No.	Description
479177	6KL4-RJ45	Four 10/100 copper ports
434694	P6KL4-RJ45	Four PoE (802.3af) 10/100 ports (requires PoE chassis)
485615	PP6KL4-RJ45	Four PoE+ (802.3at) 10/100 ports (requires PoE chassis)
485617	6KL4-2MLC2RJ	Two multimode, 2 km, LC ports and two 10/100 ports
485618	6KL4-2SSC2RJ	Two single-mode 20 km, SC ports and two 10/100 ports
485619	6KL-2MST2RJ	Two multimode, 2 km, ST ports and two 10/100 ports

SLOT B GIGABIT MODULES

Anixter No.	Vendor No.	Description
434691	6KL-2GSFP	Two SFP Gigabit ports
485620	6KL-2GCU	Two copper Gigabit ports

SFP TRANSCEIVERS

Anixter No.	Vendor No.	Description
485567	SFP-GTP	Gigabit copper SFP transceiver
353744	SFP-SX	1000 Mb SX Gigabit fiber optic SFP transceiver, 850 nm, 550 m
374560	SFP-ESX	1000 Mb SX extended distance Gigabit fiber optic SFP transceiver, 1310 nm, 2 km
353745	SFP-LX10	1000 Mb LX Gigabit fiber optic SFP transceiver, 1310 nm, 10 km
353746	SFP-LX25	1000 Mb LX Gigabit fiber optic SFP transceiver, 1310 nm, 25 km
486179	SFP-LX40	Gigabit LX, 1310 nm, 40 km

ACCESSORIES

Anixter No.	Vendor No.	Description
485621	DIN-RAIL-6KL	DIN-rail mount for 6KL
353749	CONSOLE-CBLQD	Console cable, serial "Null Modem" RJ45 to DB-9
353750	CONSOLE-CBLQU	Console cable, serial "Null Modem" RJ45 to USB
479178	CONFORM05-CRM	Conformal coating 5 mil for moisture protection
485630	MNS6K-SECURE-LIC1	Advanced security software license option

S14 Magnum Convenient Switch

GARRETTCOM

The S14 is a small, compact, ruggedized plug-and-play switch designed to add convenient, cost-effective network connections anywhere. Three temperature-rated options make it suitable for the office, factory floor and outdoors.

FEATURES
- Four 10/100 copper ports
- Available in AC or DC power options
- Heavy metal outer case
- Mounting options include panel, rack or DIN-rail

INDOOR OFFICE GRADE MODEL (0°C TO +40°C)

Anixter No.	Vendor No.	Description
353751	S14-D	Four 10/100 RJ45 ports, AC power

HARDENED FACTORY FLOOR MODEL (-25°C TO +60°C)
Includes four 10/100 RJ45 ports.

Anixter No.	Vendor No.	Description
353752	S14H-HD	Four 10/100 RJ45 ports, AC power
353754	S14H-12VDC	12 V DC power
353755	S14H-24VDC	24 V DC power
353756	S14H-48VDC	48 V DC power

OUTDOOR PREMIUM MODEL (-40°C TO +75°C)
Includes four 10/100 RJ45 ports.

Anixter No.	Vendor No.	Description
353757	S14P-PD	AC power
353758	S14P-12VDC	12 V DC power
353759	S14P-24VDC	24 V DC power
353760	S14P-48VDC	48 V DC power

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GarrettCom

PS14P Magnum Power over Ethernet Convenient Switch

GARRETTCOM

The PS14P is a small, compact, plug-and-play PoE power-sourcing switch with four 10/100 RJ45 PoE ports. The outdoor-temperature rating makes it ideal to handle heavy-duty applications for IP video surveillance, wireless and access security.

FEATURES

- Supports Power Source PoE per the IEEE 802.3af Standard
- 48 V DC power input
- Compact industrial-grade metal outer case
- Mounting options include panel, rack or DIN-rail
- Includes four 10/100 RJ45 802.3af PoE ports

Anixter No.	Vendor No.	Description
353777	PS14P-48VDC	-40° to +85°C
485748	PS14H-48VDC	-25° to +60°C

CSG14 Magnum Gigabit Converter Switch

GARRETTCOM

The CSG14P is a small, compact, plug-and-play converter switch that combines a Gigabit fiber media converter with a two-port 10/100/1000 copper switch. The outdoor-temperature rating makes it ideal to handle heavy-duty applications for IP video surveillance and access security.

FEATURES

- One Gigabit fiber port and two 10/100/1000 Mb standard copper or PoE ports
- Compact industrial-grade metal outer case
- Comes with an option for PoE
- Mounting options include panel, rack or DIN-rail

GIGABIT CONVERTER SWITCH

Includes one open SFP Gigabit fiber transceiver port and two 10/100/1000 Mb ports.

Anixter No.	Vendor No.	Description
373927	CSG14P-SFP-PD	RJ45 ports, AC power (add one SFP transceiver)
373928	CSG14P-SFP-12VDC	RJ45 ports, 12 V DC power (add one SFP transceiver)
373929	CSG14P-SFP-24VDC	RJ45 ports, 24 V DC power (add one SFP transceiver)
373930	CSG14P-SFP-48VDC	RJ45 ports, 48 V DC power (add one SFP transceiver)
373931	PCSG14P-SFP-48VDC	PoE ports, 48 V DC power (add one SFP transceiver)

SFP TRANSCEIVER OPTIONS

Anixter No.	Vendor No.	Description
353744	SFP-SX	1000 Mb SX Gigabit fiber optic SFP transceiver, 850 nm, 550 m
374560	SFP-ESX	1000 Mb SX extended distance Gigabit fiber optic SFP transceiver, 1310 nm, 2 km
353745	SFP-LX10	1000 Mb LX Gigabit fiber optic SFP transceiver, 1310 nm, 10 km
353746	SFP-LX25	1000 Mb LX Gigabit fiber optic SFP transceiver, 1310 nm, 25 km

SPIDER Hardened Ethernet Switches

HIRSCHMANN

The SPIDER family of switches provides users with an economical, yet highly reliable Ethernet switch. All copper/RJ45 ports are 10/100 auto-negotiating and auto-crossing, the SPIDERS will work with either patch or cross-over cables. The fiber ports are all 100 Mbps and available in multimode (MM) and single-mode (SM) with either SC or ST sockets.

SPECIFICATIONS

1. Simple and cost-effective Ethernet switch
2. Up to 10 ports with multimode and single-mode fiber options
3. 0°C to +60°C standard operating temperature (-40°C to +70°C available)
4. 24 (9.6 - 32) V DC power input and DIN-rail mount
5. Average MTBF exceeds 100 years

> Contact your local sales representative or call us for more information.

RS2 Ethernet Switches

HIRSCHMANN

These store and forward switches offer advanced features such as redundant power inputs and most offer fault relay (triggerable by loss of power and/or port-link). Standard features include 10/100 auto-negotiating and auto-crossing (either patch or cross-over cables will work in the ports), a 0°C to +60°C operating range, a 24 V DC power input via pluggable terminal block and have an average MTBF exceeding 100 years. All of the multimode and single-mode fiber optic ports are 100 Mbps and are available in a variety of connector options.

> Contact your local sales representative or call us for more information.

MACH100 Ethernet Switches

HIRSCHMANN

MACH100

Offered in these versions:

- Eight or 24 permanently installed 10/100 Mbps RJ45 Ethernet ports
- Eight permanent ports, slots for two additional 8-port copper/fiber media modules and two Gigabit RJ45/SFP ports
- 16 Gigabit RJ45/SFP combo ports

The fan-less switches are designed for a temperature range of 0°C to +50°C and support a large range of management and redundancy modes, as well as several functions for configuration and diagnostics.

SPECIFICATIONS

1. Fan-less 0°C to +50°C operating temperature
2. Hot-swappable media modules
3. Single or dual 110/220 V AC power inputs
4. Fast and easy setup and configuration

> Contact your local sales representative or call us for more information.

MACH1000 Ethernet Switches with PoE

HIRSCHMANN

MACH1000 - available with PoE

The MACH1000 switches support a large range of management and redundancy modes, as well as several functions for configuration and diagnostics. Thousands of port, temperature and power combinations are possible.

The MACH1000 is available in two 19 in. rack-mount versions:

- 24-port mix of any RJ45 or M12 copper or SC, SFP, ST or MTRJ fiber (multi- or single-mode) with an optional two or four additional Gigabit combo port uplinks (RJ45 and/or SFP for fiber)
- 16 Gigabit RJ45/SFP combo ports

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(continued)   MACH1000 Ethernet Switches with PoE

SPECIFICATIONS

1. 24 ports of almost any copper/fiber mix or 16 RJ45/SFP combo ports
2. Up to four PoE (full 15.4 W per port, IEEE 802.3af-compliant)
3. Fan-less -40°C to +85°C (+70° for all-Gigabit) standard operating temperature (conformal coating available)
4. Meets/exceeds NEMA TS-2 standard for traffic control equipment
5. Redundant 24/36/48 V DC or 120/250 V DC and 110/230 V AC
6. Fast and easy setup and configuration
7. Extremely efficient components for minimal heat generation and high MTBF (mean time between failure)

Contact your local sales representative or call us for more information.

MACH4000 Ethernet Switches with PoE

HIRSCHMANN

MACH4000 - available with PoE - is capable of providing as many as 48 Gigabit ports and three 10-Gigabit ports, the MACH4000 is the ultimate high-density Layer 2/3 Gigabit backbone switch for mission-critical applications requiring high availability and high port densities. The MACH4000 comes standard with up to 16+ ports and can be configured with as many as 32 additional ports (via hot-plug copper/fiber modules).
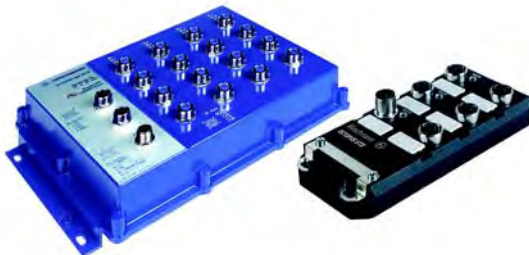
SPECIFICATIONS

1. 19 in. rack-mount
2. Two user-definable fault relays
3. Hot-swappable media modules for continuous operation
4. Up to four Media Modules (eight ports max. each)
5. HIPER-Ring, redundant coupling and link aggregation capable
6. Flexible power options: 100 - 240 V AC, 24 DC and 48 V DC
7. 0° to +60°C operating temperature

Contact your local sales representative or call us for more information.

OCTOPUS IP67 Waterproof Ethernet Switch with PoE

HIRSCHMANN

The ideal switch when space is at a premium and applications demand waterproof solutions. Incorporating Power over Ethernet (PoE), Hirschmann offers its

IP67 solution with the ability to support IP cameras or IP telephones without additional installation or the need of a protective enclosure - the OCTOPUS family can be mounted on the wall or directly to the machine.

SPECIFICATIONS

1. Totally enclosed IP67 design with industry-standard M12 D-code Ethernet connectors
2. Unmanaged version has five twisted-pair ports
3. Managed versions with 8/16/24 twisted-pair ports (each with up to eight PoE ports)
4. New OCTOPUS OS20 and OS30 offer multimode or single-mode fiber with IP67 rating
5. Operating temperatures as low as -40ºC to +70ºC
6. Extensive preterminated cable offering available

Contact your local sales representative or call us for more information.

RS20, RS30 and RS40 DIN-rail Mount Switches

HIRSCHMANN

The compact managed DIN-rail mount switches are fully managed (Web, SNMP and CLI) - VLAN, IGMP snooping (multicast filtering) and include copper 10/100 Mbps ports and fiber 1000 Mbps ports with multimode and single-mode configurations with dual power inputs and fault relay. Standard temperature rating of 0°C to +60°C operating temperature (-40°C to +70°C conformal coating available). All compact managed switches provide port mirroring, port control, port security, link alarms, broadcast limiter, traffic diagnostics, ring redundancy and USB port for configuration backup/restore and fast device replacement.

SPECIFICATIONS

1. RS20: 4x, 8x, 9x, 16x, 17x, 24x and 25x 100 Mbps ports
2. RS30: 8x, 16x and 24x 10/100 Mbps ports - all with two additional Gigabit ports
3. RS40: 9x, 10/100/1000 RJ45 and 4x RJ45/SFP combo ports

Contact your local sales representative or call us for more information.

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RSR Gigabit Managed DIN-rail Mount Switches

HIRSCHMANN

The uber-rugged Gigabit Managed DIN-rail mount switches are designed for Fast Ethernet and Gigabit Ethernet applications. These switches come with a variety of uplink port configurations including Gigabit Ethernet, fiber, copper twisted pair, multimode and single-mode. Standard temperature rating of 0°C to +60°C operating temperature (-40°C to +70°C conformal coating available). Other features include up to two AC/DC inputs with choice of voltage rating, extremely high RFI/EMI immunity, robust metal housing, shock and vibration resistant, and ultra-fast ring recover time of < 10 ms.

SPECIFICATIONS
1. From 8TX to 10 ports fiber
2. Up to two AC/DC inputs with choice of voltage
3. DIN-rail or panel-mount
4. Robust metal housing
5. Extremely high RFI/EMI immunity
6. Resistant to shock and vibration
7. Ultra-fast ring recovery time < 10 ms

Contact your local sales representative or call us for more information.

MS20 and MS30 DIN-rail Mount MICE Switches

HIRSCHMANN

The fully managed modular DIN-rail mount switches include (Web, SNMP and CLI) - IGMP snooping (multicast filtering) VLAN, port mirroring, port control, port security link alarms, broadcast limiter, traffic diagnostics and HIPER-Ring redundancy. These modular series of switches are equipped with dual power inputs and dual fault relay outputs as well as an integrated USB port for fast configuration backup/restore and fast device replacement. Standard temperature rating of 0°C to +60°C operating temperature (-40°C to +70°C conformal coating available). Firmware options include: Enhanced "E" or Professional "P".

SPECIFICATIONS
1. MS20: 8x 10/100 Mbps Ethernet ports or 16x 10/100 Mbps Ethernet ports (using the MB-2 extension). Port density expands to 24x 10/100 Mbps
2. MS30: 8x 10/100 Mbps Ethernet ports and 2x 10/100/1000 Gigabit uplink ports of 16x 10/100 Mbps Ethernet ports, 2x 10/100/1000 Mbps Gigabit uplink ports, with MB-2 extension a max. of 24x 10/100 Mbps Ethernet ports and 2x 10/100/1000 Mbps ports

Contact your local sales representative or call us for more information.

PowerMICE DIN-rail Mount Switches with PoE

HIRSCHMANN

For applications that require a more powerful and feature-rich switch, Hirschmann offers its PowerMICE modular switches. Similar in functionality and features to the MS30-16, the PowerMICE adds two additional Gigabit ports (for a total of four) and an option to have Layer 3 routing capabilities. MICE Media modules sold separately.

SPECIFICATIONS
1. MS4128-L2P: Layer 2 switch with professional management, maximum 24x 10/100 Mbps ports + four Gigabit (any copper/fiber mix) for a total of 28 ports
2. MS4128-L3E: Layer 3 switch with enhanced management, maximum 24x 10/100 Mbps ports + four Gigabit (any copper/fiber mix) for a total of 28 ports
3. MS4128-L3E: Layer 3 switch with professional management, maximum 24x 10/100 Mbps ports + four Gigabit (any copper/fiber mix) for a total of 28 ports

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Hirschmann

RS20 and RS30 OpenRail DIN-rail Mount Switches

HIRSCHMANN

Hirschmann's unmanaged OpenRail store and forward switches are ideal for applications that are less dependent upon the features of switch management while maintaining the highest feature-set for an unmanaged switch.

SPECIFICATIONS

1. 8x, 9x, 16x, 17x, 24x, and 25x ports in a 4.25 in. footprint
2. Up to 4x fiber ports
3. Redundant power inputs via dual 24 V DC
4. Fault relay (triggerable by loss of one power input and/or the loss of the link(s) specified)
5. 10/100/1000 auto-negotiating and auto-crossing (either patch or crossover cables will work in the ports)
6. Variety of connector options for multimode and single-mode fiber optic ports
7. Choice of operating temperatures and conformal coating
8. Variety of approvals including IEC 61850-3, IEEE 1613, EN 50121-4 and ATEX 100a Zone 2

> Contact your local sales representative for more information.

MICE Media Modules

HIRSCHMANN

MICE media modules are hot-swappable and may be used with the PowerMICE switch to obtain desired port density. The only restriction is the number of slots that the PowerMICE has (one media module per slot). MICE media modules come a variety of configurations including: copper, fiber (SFP), multimode, single-mode, Gigabit and real-time.

> Contact your local sales representative for more information.

Eagle20 Hardened Firewall/VPN Appliance

HIRSCHMANN

A hardened 24 V DC, DIN-rail mount firewall that allows users to secure, isolate or remotely access a network.

SPECIFICATIONS

1. Scalable security functionality: pure firewall and VPN router
2. Simple commissioning and deployment
3. Stateful inspection firewall
4. Multipoint VPN
5. Default one-way communication
6. Integrated DHCP server

> Contact your local sales representative for more information.

APC by Schneider Electric

APC KVM Solutions

APC BY SCHNEIDER ELECTRIC

APC Rack KVM switches enable IT administrators through both local and remote POST and BIOS-level access and control of connected Windows, SUN and Linux/UNIX servers. Virtual media-enabled KVM Switches allow IT administrators to update servers from the KVM switch, reducing time and costs associated with updating an installed server. They improve return on investment and flexibility through scalability with centralized access to servers in data centers, computer rooms and remote branch offices.

KVM SWITCHES

Anixter No.	Vendor No.	Description
455446	KVM2132P	32-port digital enterprise IP KVM with Virtual Media, two remote users
455445	KVM2116P	16-port digital enterprise IP KVM with Virtual Media, two remote users
494697	KVM1116P	16-port digital IP KVM with Virtual Media, one remote user
455442	KVM0216A	16-port analog enterprise KVM with Virtual Media, two local users
495014	KVM0116A	16-port analog KVM, one local user
493509	KVM0108A	8-port analog KVM, one local user
396767	AP5201	8-port multiplatform analog KVM
396768	AP5202	16-port multiplatform analog KVM

LCD CONSOLE-INTEGRATED KVM SWITCHES

The Rack LCD Console with Integrated KVM Switch combines the functionality of Rack LCD Console and analog KVM switches in one convenient package optimizing U space in the rack environment, eliminating cable clutter and offering a value of two products functionality in one package.

Anixter No.	Vendor No.	Description
425211	AP5808	17 in. rack LCD console with integrated 8-port analog KVM switch
425212	AP5816	17 in. rack LCD console with integrated 16-port analog KVM switch

OPTIONAL CABLES AND KVM ACCESSORIES

Anixter No.	Vendor No.	Description
496425	KVM-LCDMOUNT	KVM 2G, LCD rear-mounting kit
496426	KVM-PS2	KVM 2G, server module, PS/2
496427	KVM-PS2VM	KVM 2G, server module, PS/2 with Virtual Media
496428	KVM-SERIAL	KVM 2G, server module, serial
496429	KVM-USB	KVM 2G, server module, USB
456625	KVM-USBVM	KVM 2G, server module, USB with Virtual Media
496430	KVM-USBVMCAC	KVM 2G, server module, USB with Virtual Media and CAC
374155	AP5630	KVM PS/2 server module
374156	AP5631	KVM USB server module
374157	AP5632	KVM Sun server module for VGA or 13W3
374159	AP5635	KVM PS/2 VM server module - 14 in. (36 cm)
374160	AP5636	KVM VT100 serial server module
374161	AP5640	Power supply for APC KVM serial server module
374162	AP5641	KVM to APC switched rack PDU power management cable
350599	AP5253	KVM USB cable (6 ft.)
350604	AP5257	KVM USB cable (12 ft.)
443132	AP5261	KVM USB cable (25 ft.)
443137	AP5821	Integrated rack LCD/KVM USB cable (6 ft.)
443138	AP5822	Integrated rack LCD/KVM USB cable (10 ft.)
443139	AP5823	Integrated rack LCD/KVM USB cable (17 ft.)
443134	AP5264	KVM PS/2 cable (3 ft.)
350603	AP5250	KVM PS/2 cable (6 ft.)
434856	AP5254	KVM PS/2 cable (12 ft.)
443133	AP5258	KVM PS/2 cable (25 ft.)
443135	AP5262	KVM daisy chain cable (2 ft.) (AP5262)
443136	AP5263	KVM daisy chain cable (6 ft.) (AP5263)

Networking Products

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Tripp Lite

Tripp Lite KVM Switches

TRIPP LITE

Control an entire network in just 1U of rack space; console models include keyboard, LCD screen, touchpad and KVM switch in a slim 1U rack-mount drawer.

FEATURES

- 17 in. and 19 in. LCD screens
- Control up to 512 computers or servers by daisy-chaining additional rack-mount KVM switches
- One-year warranty. Three-year warranty on Minicom models

Anixter No.	Vendor No.	Description
374918	B020-008-17	8-port console KVM, 17 in. LCD
443171	B070-008-19	8-port console KVM, 19 in. LCD
421038	B020-U08-19-K	8-port console KVM, 19 in. LCD, includes eight 6 ft. cable kits
374920	B020-016-17	16-port console KVM, 17 in. LCD
443173	B070-016-19	16-port console KVM, 19 in. LCD
426004	B022-U16	16-port PS/2/USB KVM switch, 1U, includes two 6 ft. cable kits
347669	B021-000-17	Rack-mount console (no KVM), 1U, 17 in. LCD
396482	B021-000-19-SH	Rack-mount console, 1U, 19 in. LCD, short-depth console
374923	B019-000	Two-post rack-mount bracket for B021 and B020 console KVM switch
426007	B051-000	IP remote access unit
443175	B078-101-USB	USB Server Interface Module for B070 KVM Switches
496294	B040-016-19	16-port console KVM, 19 in. LCD
496295	B040-008-19	8-port console KVM, 19 in. LCD
496296	B020-016-17-IP	16-port console KVM, dual-rail, built-in IP access, 17 in. LCD
376586	0SU70036	SMART 216 IP - two remote KVM users + one local user control 16 ports + two serial over IP
376587	0SU70037	SMART 232 IP - two remote KVM users + one local user control 32 ports + two serial over IP
384716	0SU22081	SMART 108, KVM Cat 5 switch 8-port, one user
386096	0SU22082	SMART 116, KVM Cat 5 switch 16-port, one user

Networking Products

Transition Networks

MiLAN's EmPowered Ethernet

TRANSITION NETWORKS

Power over Ethernet Injection and Splitting Solutions, MiLAN's EmPowered Ethernet Series Power over Ethernet (PoE) solutions, deliver a unified supply of data, voice and video as well as electrical power through a single source by sending power over standard twisted-pair cables. Power over Ethernet simplifies installation and eliminates the need to run separate power cords and LAN cables to each access point or port location.

Anixter No.	Vendor No.	Description
308055	MIL-L100I	1-port Power over Ethernet injector
484186	MIL-L1000I-AT	1-port 10/100/1000 Power over Ethernet Plus (PoE+) injector

Networking Products

PANDUIT

DPoE Power Patch Panels

PANDUIT

DPoE Power Patch Panels offer high-density, managed power solutions in a space-saving 1RU design (only 38 percent of the rack space).

FEATURES

- Deliver reliable, cost-effective Power over Ethernet for permanent installations
- Supports 15.4 W to every port
- Fully compliant with IEEE 802.3af standards
- Eliminate power budget load balancing
- Offer RJ45 terminations with LEDs on front of panels to indicate port powering or port status and 110-type punch-down terminations on rear of panel for networking management connections
- Dissipates significantly less heat than comparable network equipment
- Includes DPoE Element Manager Software CD, rack-mount screws, grounding strap and lug, and power harness
- Requires 48 V DC power supply

Anixter No.	Vendor No.	Description
356833	DPOE24U1XG	24-port UTP 1 GbE 10/100/1000 power patch panel

DPoE Compact 8 Midspan

PANDUIT

The DPoE Compact 8 Midspan offers adaptability to add or remove port modules as needed, providing the flexibility to accommodate ongoing changes.

FEATURES

- Delivers reliable, cost-effective Power over Ethernet to new or existing networks
- Supports up to 32 W (2x power) to every port
- Fully compliant with IEEE 802.3af Standards
- Compact, modular design allows up to three units to fit horizontally across one rack space
- Dissipates significantly less heat than comparable network equipment
- Scalable to grow network as needed
- Requires 48 V DC power supply

Anixter No.	Vendor No.	Description
330736	DPOE8S2XG	DPoE Power Midspan
326543	DPOE8KIT	DPoE Power Midspan Kit
330742	DPOEWM8B	Wall-mount bracket
330743	DPOEPL8BU	DPoE modular 8-port passive module

Anixter No.	Vendor No.	Description
305186	DPOEPWRB120	120 W power supply
330740	DPOEPWRDUAL	DPoE dual power bus adapter
373091	CORD-S15	AC power cord
342938	DPOESHELF	Shelf for Midspan 8, 1RU

DPoE Compact 8 Midspan

PANDUIT

The DPoE Compact 8 Midspan offers adaptability to add or remove port modules as needed, providing the flexibility to accommodate ongoing changes.

FEATURES

- Delivers reliable, cost-effective Power over Ethernet to new or existing networks
- Supports up to 32 W (2x power) to every port
- Fully compliant with IEEE 802.3af Standards
- Compact, modular design allows up to three units to fit horizontally across one rack space
- Dissipates significantly less heat than comparable network equipment
- Scalable to grow network as needed
- Requires 48 V DC power supply

Anixter No.	Vendor No.	Description
330736	DPOE8S2XG	DPoE Power Midspan
326543	DPOE8KIT	DPoE Power Midspan Kit
330742	DPOEWM8B	Wall-mount bracket
330743	DPOEPL8BU	DPoE modular 8-port passive module
305186	DPOEPWRB120	120 W power supply
330740	DPOEPWRDUAL	DPoE dual power bus adapter
373091	CORD-S15	AC power cord
342938	DPOESHELF	Shelf for Midspan 8, 1RU

NetVanta Business-class Access Routers

ADTRAN INC

ADTRAN's business-class access routers provide affordable, diverse networking solutions that meet the need for secure, cost-effective Internet access and multisite business connectivity. The portfolio of NetVanta multiservice, modular and fixed-port routers are used for deployment in branch offices or in multisite networks for applications ranging from bandwidth expansion and VoIP to point-to-point connectivity, MPLS networking, VPN, ADSL and Ethernet access.

NetVanta routers address today's highest networking priorities with robust WAN and LAN protocols, support for next-generation technologies such as Carrier Ethernet and 3G wireless and a differentiating set of ease-of-use, management, security and troubleshooting features like Voice Quality Monitoring (VQM). This broad line of routing products can be used for small and medium business networks and diverse enterprise offices.

FEATURES

- Fixed-port routers:
  - Fixed-port business-class routers for broadband access (Ethernet, ADSL/ADSL2/ADSL2+)
  - Stateful inspection firewall
  - IPSec Virtual Private Network (VPN) tunneling with DES/DES3/AES encryption
  - RIP, OSPF and eBGP/iBGP routing protocol support
  - Wi-Fi access controller capability to manage up to eight NetVanta 150 wireless access points
  - Cable diagnostics to identify and locate Ethernet cable impairments
- Modular IP routers:
  - For MPLS, frame relay, PPP, PPPoE, PPPoA, RFC 1483, ADSL and Ethernet-based networks
  - Auto-sensing 10/100BASE-TX interfaces
  - Integral stateful inspection firewall
  - IPSEC VPN tunneling with DES/3DES/AES encryption (optional)
  - Standards-based eBGP/iBGP, OSPF, RIP, static routing and bridging protocols
  - Wi-Fi Access Controller capability to manage up to eight NetVanta 150 wireless access points
  - Voice Quality Monitoring (optional)

Anixter No.	Vendor No.	Description
374351	1700601G2	NetVanta 3120 with Enhanced Feature Pack Software with fixed-port Ethernet secure access IP router and integral 4-port switch
353389	1700600L2	NetVanta 3120 with Enhanced Feature Pack Software with fixed-port Ethernet secure access IP router with DBU and integral 4-port switch

Anixter No.	Vendor No.	Description
374352	1700611G2	NetVanta 3130 with Enhanced Feature Pack Software with fixed-port ADSL secure access IP router and integral 4-port switch
353390	1700610L2	NetVanta 3130 with Enhanced Feature Pack Software with fixed-port ADSL secure access IP router with DBU and integral 4-port switch

Anixter No.	Vendor No.	Description
397593	1203860G1	NetVanta 3200 modular IP access router, single Ethernet, single NIM slot, desktop enclosure
397594	1203870G1	NetVanta 3205 modular IP access router, single Ethernet, single NIM slot, 1U enclosure
353345	1202820E1	NetVanta 3430 modular IP access router, dual Ethernet, single NIM slot, IPv6-ready
373923	1202880E1	NetVanta 3305 modular IP access router, dual Ethernet, dual NIM slots
420902	1200823G1	NetVanta 3450 modular IP access router, dual Ethernet, dual NIM slots, IPv6-ready
443964	1700630G1120	NetVanta 4430 modular IP access router, dual Gigabit Ethernet, dual NIM slots, single wide slot, IPv6-ready
331086	4200990G1240	NetVanta 5305 modular IP access router, dual Ethernet, six wide slots

NETWORK INTERFACE MODULES

These support a breadth of network applications in the NetVanta 1335, NetVanta 3000 Series, NetVanta 4430 and NetVanta 5000 Series.

Anixter No.	Vendor No.	Description
397673	1700801G1	3G NIM (Verizon)
331074	1202862L1	T1/FT1 module
331075	1202863L1	T1/FT1 + DSX-1 module
331076	1200872L1	Dual T1/FT1 module
397677	1202869E1	ADSL module
397678	1200936E1	SHDSL module
331078	1200861L1	56k/64k module
397679	1200866E1	Serial module

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NetVanta Business-class Access Routers

DIAL BACKUP INTERFACE MODULES

These support a breadth of network applications in the NetVanta 1335, NetVanta 3000 Series, NetVanta 4430 and NetVanta 5000 Series.

Anixter No.	Vendor No.	Description
331080	1200865L1	ISDN BRI dial backup module
331079	1200864L1	Analog modem dial backup module

WIDE MODULES

Anixter No.	Vendor No.	Description
331091	1200832L1	T3 wide module
360667	1202843 E1	Octal T1/E1 wide module
331084	1200934L1	HSSI wide module

NetVanta Multiservice Access Routers

ADTRAN INC

NetVanta multiservice routers with integral Ethernet switch address the needs of multiple networking devices in a single chassis. These integrated, all-in-one access platforms integrate a robust, modular IP access router, Ethernet switch with Power over Ethernet (PoE) as an option, firewall, VPN and DSU/CSU into a single platform. The NetVanta 1335 takes this integration concept one step further by including an 802.11a/b/g Wireless Access Point (WAP).

FEATURES

- Modular platforms supporting an IP access router, Ethernet switch, firewall and VPN
- Performance-enhanced platforms supporting RapidRoute technology
- Supports all current NIMs and dial backup interface modules (DIMs)
- Auto-sensing 10/100BASE-TX interface(s)
- Integral stateful inspection firewall
- IPSec VPN tunneling with DES/3DES/AES encryption
- Wi-Fi access controller capability to manage up to the 24 NetVanta 150 wireless access points (WAPs)

Anixter No.	Vendor No.	Description
395414	12008210	NetVanta 3448 multiservice router with 8-port Ethernet switch
443965	4200821E11120	NetVanta 3448 PoE, single-slot multiservice router supporting two T1s with 8-port PoE switch
420901	1200824G1	NetVanta 3458 multiservice router with 8-port Layer 2 Fast Ethernet switch
443961	4200824G11120	NetVanta 3458 PoE, 8-port managed dual NIM Layer 2 Fast Ethernet switch
395417	1700525E2	NetVanta 1335 PoE, single-slot multiservice router with 24-port PoE Layer 2/3 switch
440496	1700515G2120	NetVanta 1335 single NIM 24-port Layer 2/3 switch

Networking Products

T1/E1 TSU Series

ADTRAN INC

ADTRAN's TSU Series is the No. 1 T1 CSU/DSU product line and offers the broadest line of T1/E1 termination equipment available on the market. Models range from single-port CSU/DSUs to full-featured, multiport multiplexers. Multiport models accept numerous application modules for voice, data, disaster recovery and more.

T1 CSU SERIES
Includes stand-alone T1 CSU used to connect T1 DTE equipment to network T1 circuits.

Anixter No.	Vendor No.	Description
310323	1203022L1	T1 CSU ACE
326373	1204025L1	ESF T1 CSU and supports line coding and framing conversion

T1 CSU AND SINGLE-PORT CSU/DSUS
Includes single-port T1/FT1 CSU/DSU.

Anixter No.	Vendor No.	Description
397191	1202295L1	TSU ACE
397192	1203060L1	TSU LT, Bantam test jacks
397190	1200060L2	TSU Metal, Bantam test jacks, ruggedized metal chassis
397193	1200169L1	TSU ESP, embedded SNMP

DDS Series

ADTRAN INC

The DDS series of products offers a wide range of high-performance, cost-effective CSU/DSUs. The ADTRAN CSU/DSU family of products includes stand-alone and rack-mount products that incorporate many different features like SNMP management, automatic dial backup, auto-rate adaptation, user-selectable options, external DTE master circuit clock, as well as weekend and time-of-day lockout options.

Anixter No.	Vendor No.	Description
397180	1200062L1	DSU, 56/64k CSU/DSU, a synchronous V.35 interface
397185	1200078L1	DSU 5600, 56/64k CSU/DSU, a synchronous EIA-232 interface
397186	1202011L1	DSU III AR, 56/64k CSU/DSU, all-rate V.35 and EIA-232 DTE interface for synchronous applications

IP Business Gateways

ADTRAN INC

ADTRAN offers a full line of IP Business Gateways for converged IP networks. The Total Access 900/900e series is ideal for networks transitioning to VoIP and offers a number of fixed-port configurations. The NetVanta 6310 is an innovative dual-slot modular IP Business Gateway designed for Ethernet-fed WAN or e.SHDSL EFM network applications. The NetVanta 6330 Series Modular IP Business Gateway is designed for use in integrated IP voice and data service offerings to small- to medium-size businesses, worldwide. With this versatile chassis, carriers can offer a variety of services including cost-effective integrated voice and data over an Ethernet-fed wide area network (WAN) or over low overhead bonded e.SHDSL loops and T1 circuits. The single-slot chassis includes a robust IP router, SIP gateway and dual 10/100BASE-T Ethernet interfaces for routing, DMZ or Ethernet-fed WAN applications. The NetVanta 6355 combines all of the features of the Total Access 900e into a single chassis with an onboard-managed 24-port PoE switch for hosted deployments.

All of these platforms provide SIP/MGCP-gateway functionality, support for a number of analog and digital interfaces for existing phone equipment or for the combination of an IP PBX and an analog fax/phone or model. Transparent proxy functionality and remote survivability provide backup capability for phone support in the event of a wide area network (WAN) outage.

FEATURES
- Total Access 900 Series
  - Single-T1, IP Business Gateway designed for carrier VoIP networks
  - Full-featured IP router
  - Single 10/100BASE-T interface
  - Single DSX-1 for PRI/T1 CAS
  - Wi-Fi access controller capability to manage up to eight NetVanta 150 wireless access points
- Total Access 900e Series
  - Multi-T1, IP Business Gateway designed for carrier VoIP networks
  - Quad T1 SIP or MGCP Gateway
  - Full-featured IP router
  - Dual 10/100BASE-TX
  - Single FXO for local call/911 routing
  - Dual DSX-1 support for PRI/T1CAS
  - Wi-Fi access controller capability to manage up to eight NetVanta 150 wireless access points
- NetVanta 6310
  - Modular IP Business Gateway
  - SIP gateway
  - Dual-slot modular chassis
  - Dual 10/100BASE-TX Ethernet interfaces for routing, DMZ or Ethernet-fed WAN
  - Integral PRI/PRA T1/E1 for PBX connectivity
  - ETSI compliant

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ADTRAN Inc.

(continued) IP Business Gateways

- NetVanta 6330
  - Modular IP Business Gateway
  - Converged service solutions
  - Modular, single-slot chassis
  - Integral SIP gateway, router and security
  - Supports a variety of network and voice interfaces
  - Dual 10/100BASE-T interfaces for routing, DMZ or Ethernet-fed WAN
- NetVanta 6355
  - IP Business Gateway with 24-port PoE switch
  - Integrated SIP and MGCP gateway
  - Full-featured IP router
  - Two FXS interfaces and two FXO interfaces
  - Dual Gigabit/SFP module slot
  - Local and remote survivability
  - Two slots for NIM/VIM expansion
  - Wi-Fi access controller capability to manage up to eight NetVanta 150 wireless access points
- NetVanta 6240
  - Quad T1 SIP or MGCP Gateway
  - Full-featured IP router
  - Dual 10/100BASE-TX interfaces
  - Dual FXO options for PSTN access and survivability
  - Flexible 30 and 60 channel models
  - Supports 30 or 60 T.38 sessions
- NetVanta 644
  - Quad T1/E1 SIP Media Gateway
  - Dual 10/100/1000BASE-T interfaces
  - Supports 120 simultaneous calls
  - Innovative voice quality monitoring on all calls

TOTAL ACCESS 900 SERIES

Anixter No.	Vendor No.	Description
395113	4212904L1	Total Access 904, 4 FXS
395153	4212908L1	Total Access 908, 8 FXS
395154	4212912L1	Total Access 912, 12 FXS
395155	4212916L1	Total Access 916, 16 FXS
363359	4212924L1	Total Access 924, 24 FXS
397279	4212924L2	Total Access 924, 16 FXS/8 FXO

TOTAL ACCESS 900E SERIES

Anixter No.	Vendor No.	Description
397281	4242908L1	Total Access 908e, 8 FXS
397280	4242916L1	Total Access 916e, 16 FXS
397282	4242924L1	Total Access 924e, 24 FXS
397283	4242924L2	Total Access 924e, 16 FXS/8 FXO

NETVANTA 6310

Anixter No.	Vendor No.	Description
397284	1700100G1	NetVanta 6310 modular IP Business Gateway

NETVANTA 6330

Anixter No.	Vendor No.	Description
420879	47006332G1	NetVanta 6332 modular IP business gateway, 8 FXS
420880	47006334G1	NetVanta 6330 modular IP business gateway, 16 FXS
420882	47006337G1	NetVanta 6330, 16 FXS + 8 FXO
420881	47006336G1	NetVanta 6330 modular IP business gateway, 24 FXS

NETVANTA 6310/6330 MODULES

Anixter No.	Vendor No.	Description
496302	1700105G1	NetVanta QUAD FXO VIM2
496303	1700102G1	NetVanta QUAD FXS/FXO VIM2
496304	1700109G1	NetVanta OCTAL FXO VIM2
496305	1700108G1	Octal FXS
496306	1700111G1	NetVanta QUAD FXS/FXO VIM
496307	1700106G1	NetVanta QUAD T1/E1 EFM NIM
496308	1700103G1	NetVanta QUAD SHDSL EFM NIM 2 - ANNEX A

NETVANTA 6355

Anixter No.	Vendor No.	Description
397285	1200740E1	NetVanta 6355 IP Business Gateway with 24-port PoE switch

NETVANTA 6240: 30-CHANNEL MODELS

Anixter No.	Vendor No.	Description
489611	4740202G10	NetVanta 6240, 8 FXS
489613	4740204G10	NetVanta 6240, 16 FXS, 30-channel DSP
489614	4740206G10	NetVanta 6240, 24 FXS, 30-channel DSP
489615	4740202G11	NetVanta 6240, 8 FXS, 30-channel DSP, 2 FXO
489616	4740204G11	NetVanta 6240, 16 FXS, 30-channel DSP, 2 FXO
489617	4740206G11	NetVanta 6240, 24 FXS, 30-channel DSP, 2 FXO
489619	4740207G11	NetVanta 6240, 16 FXS, 30-channel DSP, 10 FXO

NETVANTA 6240: 60-CHANNEL MODELS

Anixter No.	Vendor No.	Description
489620	4740202G20	NetVanta 6240, 8 FXS, 60-channel DSP
489622	4740204G20	NetVanta 6240, 16 FXS, 60-channel DSP
489624	4740206G20	NetVanta 6240, 24 FXS, 60-channel DSP
489625	4740202G21	NetVanta 6240, 8 FXS, 60-channel DSP, 2 FXO
489627	4740204G21	NetVanta 6240, 16 FXS, 60-channel DSP, 2 FXO
489628	4740206G21	NetVanta 6240, 24FXS, 60-channel DSP, 2 FXO
489630	4740207G21	NetVanta 6240, 16 FXS, 60-channel DSP, 10 FXO

MX2800 T3 and Fiber

ADTRAN INC

MX 2800 Series:

The MX2800 is an M13 multiplexer that consolidates T1 and E1 signals into a T3 circuit. This unit provides a cost-effective, versatile tool for combining independent T1s, E1s or a combination of the two over the same T3 circuit. It also houses two hot-swappable controller cards which provide 1:1 redundancy for the T1 and T3 signals, as well as the T3 connections.

Embedded simple network management protocol (SNMP) and Telnet are available through the modem port using serial line Internet protocol/point-to-point (SLIP/PPP) or through the 10BASE-T Ethernet port. Using the Management Information Base II (MIB II), RFC 1407 standards and an ADTRAN enterprise MIIB, the MX2800 can be configured, monitored and diagnosed with standard SNMP network management programs such as HP's OpenView and Cabletron's Spectrum. In addition, the SysLog Host Daemon allows remote monitoring, collecting and logging of MX2800 events in real time. This information is useful during installation setups and/or troubleshooting.

Complete configuration, loopbacks and performance monitoring are available through SNMP, Telnet or a VT100 terminal interface. This connection can be made via Ethernet, a local EIA-232 link or through the built-in V.34 modem. The modem can dial out a "cry for help" for units located in unmanned facilities. The MX2800 is designed for installation in a 19 or 23 inch rack.

MX 2810 Series:

ADTRAN has applied its industry-leading expertise in developing carrier-class products to the MX2810 M13 multiplexer. The MX2810 offers bandwidth consolidation at a low price and in the smallest footprint available in the industry. Measuring only 1U high in 19 or 23 inch rack-mount configurations, this compact device gives ILECs a powerful tool for consolidating 28 T1 signals or 21 E1 signals into a T3 circuit.

Like all ADTRAN products, the MX2810 offers comprehensive management options, including full management and GUI support from ADTRAN's Total Access EMS. It features a VT100 terminal interface for local configuration. To support SNMP and Telnet management, the MX2810 has an integrated 10BASE-T Ethernet port. It has an RS-232 port for network management, as well as an RS-485 port for daisy-chaining multiple units. TL1 alarming and provisioning are also supported.

The MX2810 meets the most stringent NEBS Level 3 requirements. In addition, the product is backed by an industry-leading 10-year warranty.

MX2820 Series:

M13 deployment, the technology that enables multiple T1 delivery from a single T3, is a fairly elementary yet important part for telecommunications carriers. Demand for T1s is affected by existing remote terminals (RTs) that are space-constrained. Supplying a carrier-case multiplexer that can significantly increase T1 output while minimizing space that has been the challenge for telecommunications-equipment providers. Carriers facing costs for IP addressing save money because M13 capability can be added yet each MX2820 uses only a single IP address.

In areas where multiple M13s are needed, the ADTRAN MX2820 High-Density M13 multiplexer frees up valuable rack space with a high-density chassis. The MX2820 houses up to 18 multiplexer cards to provide nine redundant M13 multiplexers in a 23 inch chassis and two rack units of space. Up to seven

redundant M13 multiplexers can be based in a 19 inch chassis. In addition, the M2820 can provide up to 81 M13s in a 7 foot bay using active cooling (fans and heat baffles) or up to 63 M13s in a 7 foot bay using passive cooling (heat baffles).

The MX2820 MUX cards are capable of combining independent T1s, E1s or T1s and E1s on the same DS3. Each pair of MUX cards provides built-in 1:1 redundancy on the DS1 and DS3 signals. Advanced diagnostics include CSU loopbacks, NIU loopbacks, C-bit loopbacks and built-in BERT (bit error rate testing) capabilities.

FEATURES

- Fully redundant M13 multiplexer
- Affordable DS3 bandwidth consolidation
- Built-in 1:1 redundancy
- Controller card intelligence isolates between MUX and network failures and will only switch on MX2800 hardware failures
- Hot-swappable controller cards
- Capable of backhauling multiple service types (T1/E1)
- M13 and C-Bit signaling support
- NEBS Level 3 compliant
- Transports up to 28 T1s over T3
- Supports G.747 for transport of up to 21 E1s
- Dual load-sharing redundant power supplies
- SNMP, Telnet and TL1 management
- Quick, easy installation
- Connectorized backplane
- Fits either 19 or 23 in. racks
- AC and DC (-48 V or 24 V) versions available
- Available with or without integral modem

MX2800 SERIES

Anixter No.	Vendor No.	Description
353924	1200290L1	MX2800 chassis, does not include any controller cards or power supplies
353925	1205288L1	MX2800 controller with modem
353926	1205288L2	MX2800 controller without modem
353928	1202289L1	MX2800 AC power supply
353929	1202289L2	MX2800 DC power supply
353932	1202289L3	MX2800 24 V PSU
285165	4205291L2	MX2800 redundant AC with modem and patch panel
397747	4205291L6	MX2800 redundant AC with patch panel
319691	4205290L2	MX2800 DS3 AC redundant with modem
397750	4205290L5	MX2800 DS3 AC nonredundant without modem
397751	4205290L6	MX2800 DS3 AC redundant without modem
397753	4205290L3	MX2800 DS3 DC redundant without modem
397754	4205290L4	MX2800 DS3 DC redundant with V.34 modem
397755	4205290L7	MX2800 DS3 DC nonredundant without modem
397756	4205290L8	MX2800 DS3 DC redundant without modem
397758	4205290L9	MX2800 DS3 AC/DC redundant without modem
328969	4205290L10	MX2800 DS3 AC/DC redundant with modem
399888	4205290L23	MX2800 nonredundant 24 V with modem
399890	4205290L24	MX2800 redundant 24 V with modem

Networking Products

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(continued) MX2800 T3 and Fiber

Anixter No.	Vendor No.	Description
399891	4205290L27	MX2800 nonredundant 24 V without modem
399892	4205290L28	MX2800 redundant 24 V without modem
399893	4205290L34	MX2800 redundant 24 V with modem and fan
399896	4205290L38	MX2800 redundant 24 V without modem and with fan
399899	4205290L11	MX2800 DS3 AC P1/C1/M/F
399900	4205290L12	MX2800 DS3 AC P2/C2/M/F
399901	4205290L15	MX2800 DS3 AC P1/C1/F
399903	4205290L16	MX2800 DS3 AC P2/C2/F
399905	4205290L13	MX2800 DS3 DC P1/C1/M/F
399906	4205290L14	MX2800 DS3 DC P2/C2/M/F
399907	4205290L17	MX2800 DS3 DC P1/C1/F
399908	4205290L18	MX2800 DS3 DC P2/C2/F

MX2810 SERIES

Anixter No.	Vendor No.	Description
424011	1185001L1	MX2810 M13 multiplexer chassis

MX2820 SERIES

Anixter No.	Vendor No.	Description
397760	1186001L1	MX2800 19 in. chassis, does not include any controller cards or power supplies
397761	1186001L2	MX2800 23 in. chassis, does not include any controller cards or power supplies
399422	1186002L1	MX2820 MUX card
399423	1186002L3	MX2820 MUX PM/BERT
399426	1186003L1	MX2820 SCU
399428	1186004L1	MX2820 clock card
399429	1186010L1	MX2820 MUX blank card
399461	1186011L1	MX2820 clock blank card
310594	1186015L1	MX2820 test access module
399462	4186001L10	MX2820 19 in. chassis, SCU, 10 MUX card
399463	4186001L12	MX2820 19 in. chassis, SCU, 12 MUX card
399464	4186001L14	MX2820 19 in. chassis, SCU, 14 MUX card
399465	4186002L10	MX2820 23 in. chassis, SCU, 10 MUX card
399466	4186002L12	MX2820 23 in. chassis, SCU, 12 MUX card
399467	4186002L14	MX2820 23 in. chassis, SCU, 14 MUX card
399468	4186003L10	MX2820 19 in. chassis, SCU, 10 STS-1
399469	4186003L12	MX2820 19 in. chassis, SCU, 12 STS-1
399470	4186003L14	MX2820 19 in. chassis, SCU, 14 STS-1
399471	4186004L10	MX2820 23 in. chassis, SCU, 10 STS-1
399473	4186004L12	MX2820 23 in. chassis, SCU, 12 STS-1
399474	4186004L14	MX2820 23 in. chassis, SCU, 14 STS-1

> For more variations of the MX2800s and the complete line of the MX2820 series, please contact your local sales representative.

ISU Series

ADTRAN INC

The ISU series products are ideal for terminating basic rate service from PBXs and central offices. The ISDN terminal adapters are designed for solutions requiring speeds of 128 kbps. Some models have built-in NT1 functionality. ADTRAN ISDN inverse multiplexers provide additional functionality at rates up to 512 kbps.

ISDN SERVICE UNITS

Anixter No.	Vendor No.	Description
187679	1202029L2	ISU 128 terminates ISDN BRI U-interface and provides V.35 and EIA-530/232 DTE serial interfaces

ISDN INVERSE MULTIPLEXERS

Anixter No.	Vendor No.	Description
397221	1202086L1	ISU 512 terminates four ISDN BRI U-interfaces and provides V.35 and EIA-530 DTE serial interfaces

ATLAS Integrated Access Devices

ADTRAN INC

The ATLAS series of enterprise integrated access devices (IADs) is a versatile integrated access platform for converging voice, video and data. It offers modular platforms that support T3, T1, PRI, ISDN and frame relay; and can be configured to meet multiple networking requirements in a cost-effective solution.

FEATURES

- Consolidates voice and data circuits and bandwidth sharing
- Integrates many networking functions into a modular, economical chassis
- Cost-effective system for lowering monthly telecom costs
- ISDN PRI to T1, BRI or analog conversion and oversubscription features, ISDN PRI/BRI switching
- Multi-T1/PRI DACsing and grooming, WAN emulation, videoconferencing
- Support for T3 applications acting as a 3/1/0 DACs and groom or IAD
- Integral switchboard and dial plan for intelligent call switching, overbooking and number substitution

ATLAS 550 IADS

Integrated access device (IAD) designed for small- to medium-size networks with one to 18 T1/PRI ports.

Anixter No.	Vendor No.	Description
374305	1200305E2	ATLAS 550 base unit, AC
329035	1200550L2	ATLAS 550 base unit, DC
285167	4200305L1	ATLAS 550 T1 to PRI converter
329047	4200305L2	ATLAS 550 video switch

ATLAS 550 MODULES

Network interface modules include a variety of WAN connectivity options while user modules provide analog voice and a host of data, video and backup connectivity options.

Anixter No.	Vendor No.	Description
329049	1200307E2	ATLAS 550 T1/PRI network interface module
329050	1200309E1	ATLAS 550 octal FXS module
329051	1200310L1	ATLAS 550 octal FXO module

Networking Products

Anixter No.	Vendor No.	Description
329471	1200313L1	ATLAS 550 octal E&M module
329472	1200311E1	ATLAS 550 dual Nx56/64 V.35 module
329474	1200314E2	ATLAS 550 dual T1/PRI module
329475	1200755E2	ATLAS 550 quad T1/PRI module
329476	1200315E1	ATLAS 550 quad BRI/U module
397219	1200764E1	ATLAS 550 quad S/T BRI Module
329478	4200754L1	ATLAS 550 dual RS-449/V.36 USSI module
329481	4200754L2	ATLAS 550 dual EIA-530 USSI module
329482	4200754L3	ATLAS 550 dual X.21/V11 USSI module
329483	4200754L4	ATLAS 550 dual EIA-232 USSI module

ATLAS 800 IADS

Integrated access device (IAD) designed for large networks with up to 34 T1/PRI ports or a T3.

Anixter No.	Vendor No.	Description
374390	1200780L1	ATLAS 830 base unit, AC
374392	4200321L1	ATLAS 890 nonredundant system, AC
374395	4200321L2	ATLAS 890 redundant system, AC
374404	4200321L3	ATLAS 890 nonredundant system, DC
374410	4200321L4	ATLAS 890 redundant system, DC
374411	4200780L1	ATLAS 830 video switch, V.35 system
374412	4200780L2	ATLAS 830 video switch, RS-449 system
374413	4200780L3	ATLAS 830 video switch, EIA-530 system

ATLAS 800 MODULES

ATLAS option modules for termination of: T1, PRI, E1, PRA, FX, FXO, V.35, BRI and other services.

Anixter No.	Vendor No.	Description
374414	1200185L3	ATLAS 800 quad T1/PRI option module
374420	1200184L1	ATLAS 800 quad Nx56/64 V.35 option module
374421	1200338L1	ATLAS 800 octal FXS option module
374422	1200223L1	ATLAS 800 T3 option module
374423	4200261L1	ATLAS 800 RS-449/V.36, quad USSI option module
374424	4200261L2	ATLAS 800 EIA-530, quad USSI option module
374425	4200261L3	ATLAS 800 X.21/V.11, quad USSI option module
374429	4200261L4	ATLAS 800 EIA-232, quad USSI option module
374430	1200262L1	ATLAS 800 Nx56/64 bonding option module
374431	4200773L1	ATLAS 800 dual V.35 video option module
374432	4200773L2	ATLAS 800 dual EIA-530 video option module
374433	4200773L3	ATLAS 800 dual RS-449 video option module

Networking Products

Transition Networks

Ethernet Stand-alone Converters

TRANSITION NETWORKS

Media converters are used to connect devices in a mixed cabling environment. When fiber optic cable is being integrated into a UTP network, media converters can be used to make easy and affordable connections between the fiber cable and RJ45 ports. Transition Networks' Ethernet media converters offer a variety of fiber connectors, data-transmission distances and operating temperature ranges. Advanced features include AutoCross and Link Pass Through.

Anixter No.	Vendor No.	Description
257445	E-TBT-FRL-05	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, ST, 2 km
257450	E-TBT-FRL-05-SC	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, SC, 2 km
257446	E-TBT-FRL-05-L	10BASE-T RJ45 to 10BASE-FL, 1300 nm, multimode, ST, 5 km
257447	E-TBT-FRL-05-LH	10BASE-T RJ45 to 10BASE-FL, 1310 nm, single-mode, ST, 40 km

Fast Ethernet Stand-alone Converters

TRANSITION NETWORKS

Extend the distance between two fast Ethernet devices up to 2 km on multimode fiber and up to 40 km on single-mode fiber; other long-haul options are available. These full-featured products include AutoCross, Auto-negotiation, Link Pass Through, Far End Fault and Pause. Converters supporting extended operating temperatures are also available. 10/100 bridging converters are ideal for connecting 10/100 devices to a 100 Mbps fiber backbone with 100BASE-TX RJ45 to 100BASE-FX connections.

Anixter No.	Vendor No.	Description
213792	E-100BTX-FX-05	With 1300 nm, multimode, ST, 2 km
214108	E-100BTX-FX-05-SC	With 1300 nm, multimode, SC, 2 km
255573	E-100BTX-FX-05-MT	With 1300 nm, multimode, MT-RJ, 2 km
312465	E-100BTX-FX-05-LC	With 1300 nm, multimode, LC, 2 km
255575	E-100BTX-FX-05-SM	With 1310 nm, single-mode, SC, 20 km
284520	E-100BTX-FX-05-LH	With 1310 nm, single-mode, SC, 40 km

Extended-temperature Fast Ethernet Converters

TRANSITION NETWORKS

Designed to operate in Fast Ethernet environments where ambient temperatures can rise as high as 65°C (149°F). Operating temperature: -25°C to +65°C with 100BASE-TX RJ45 to 100BASE-FX connection.

Anixter No.	Vendor No.	Description
284527	E-100BTX-FX-05-HT	100BASE-TX RJ45 to 100BASE-FX, with 1300 nm, multimode, ST, 2 km
284530	E-100BTX-FX-05-SCHT	100BASE-TX RJ45 to 100BASE-FX, with 1300 nm, multimode, SC, 2 km
284532	E-100BTX-FX-05-SMHT	100BASE-TX RJ45 to 100BASE-FX, with 1310 nm, single-mode, SC, 20 km

Gigabit Ethernet Stand-alone Converters

TRANSITION NETWORKS

Migrate to Gigabit in a cost-effective manner. When Gigabit media converters are used in conjunction with lower-cost 1000BASE-T switches, users can take advantage of the high-bandwidth Gigabit Ethernet offers without all of the higher costs. Optional single-strand media converters allow you to double your fiber capacity by transmitting and receiving data over one strand of fiber.

Anixter No.	Vendor No.	Description
332341	SGETF1013-110	1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
333559	SGETF1014-110	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
333562	SGETF1024-110	1000BASE-T RJ45 to 1000BASE-SX, 1310 nm, extended multimode, SC, 2 km
333563	SGETF1029-110	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm TX/1550 nm RX, single-fiber, single-mode, SC 20 km
333565	SGETF1029-111	1000BASE-T RJ45 to 1000BASE-LX, 1550 nm TX/1310 nm RX, single-fiber, single-mode, SC 20 km

10/100/1000 Media Converters

TRANSITION NETWORKS

The 10/100/1000 media converters will offer a low-cost integration option for network managers who want to migrate from 10/100 networks to Gigabit Ethernet. Gigabit-only switches can now be connected to a 10/100 network at distances up to 125 km with long-haul options.

Anixter No.	Vendor No.	Description
268663	SGFEB1013-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
373495	SGFEB1014-120	10/100/1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
268667	SGFEB1024-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 1310 nm, extended multimode, SC, 2 km

10 Gigabit Ethernet Fiber to Fiber Media Converters

TRANSITION NETWORKS

The Transition Networks' 10 Gigabit Ethernet fiber to fiber converter is a two-port 10G pluggable media converter, supporting a variety of XFP and SFP+ modules allowing network designers to utilize the module to meet their network requirements. This converter provides 3R (reamplify, reshape, and retime) optical signal regeneration.

Anixter No.	Vendor No.	Description
461473	STGFF4747-100	2-port 10GBASE-X XFP slot (empty) to XFP slot (empty)
461475	STGFF4848-100	2-port 10GBASE-X SFP+ slot (empty) to SFP+ slot (empty)

Single-mode to Multimode Stand-alone Converters

TRANSITION NETWORKS

Single-mode to multimode media converters allow for the connection of single-mode cable to devices with multimode ports. Connect distant networks or devices on single-mode cable and transmit data signals up to 20 km and farther with long-haul options.

Anixter No.	Vendor No.	Description
251367	F-SM-MM-05	Ethernet or Token Ring, 850 nm, multimode, ST 2 km to 1310 nm, single-mode, ST 20 km
221293	F-SM-MM-02	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC 2 km to 1310 nm, single-mode, SC 20 km
251368	F-SM-MM-02-LH	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC 2 km to 1310 nm, single-mode, SC 40 km
313673	SFMFF1314-220	Gigabit Ethernet, 1000BASE-SX, 850 nm, multimode, SC 220 m to 1000BASE-LX, 1310 nm, single-mode, SC 10 km
313674	SFMFF1315-220	Gigabit Ethernet, 1000BASE-SX, 850 nm, multimode, SC 220 m to 1000BASE-LX, 1310 nm, single-mode, SC 25 km

T1/E1 and DS3-T3/E3 Stand-alone Media Converters

TRANSITION NETWORKS

The remotely managed T1/E1 converter offers a solution for users who desire to extend their T1 or E1 circuits over fiber and remotely manage them "in-band" from administrator locations. The DS3-T3/E3 copper-to-fiber media converter will provide a solution for those users who desire to extend the point of presence of their DS3 or E3 connection or use it to connect remote locations.

Anixter No.	Vendor No.	Description
423406	SSDTF1011-120	T1/E1 twisted-pair RJ48 to 850 nm, multimode, ST 2 km with remote management
423407	SSDTF1013-120	T1/E1 twisted-pair RJ48 to 850 nm, multimode, SC 2 km with remote management
423408	SSDTF1014-120	T1/E1 twisted-pair RJ48 to 1310 nm, single-mode, SC 20 km with remote management

Transition Networks

4x T1/E1 Plus 10/100 Ethernet Transport MUX Stand-alone Media Converters

TRANSITION NETWORKS

This remotely managed transport MUX media converter can transport up to four T1/E1 lines (RJ48), an RS-232 data channel and a 10/100 Ethernet line over a pair of fiber optic cables. This converter will address the need to conserve installed fiber strands by combining multiple signals and transporting them over one fiber link. Converters supporting single-strand fiber optics are also available.

Anixter No.	Vendor No.	Description
313675	S4TEF1011-100	Four-port T1/E1 RJ48 and a RS-232 6-pin DIN to 1300 nm, multimode, ST, 2 km
313678	S4TEF1013-100	Four-port T1/E1 RJ48 and a RS-232 6-pin DIN to 1300 nm, multimode, SC, 2 km
313679	S4TEF1014-100	Four-port T1/E1 RJ48 and a RS-232 6-pin DIN to 1310 nm, single-mode, SC, 20 km
313680	S4TEF1011-110	Four-port T1/E1 RJ48 and a RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, ST, 2 km
313681	S4TEF1013-110	Four-port T1/E1 RJ48 and a RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, SC, 2 km
313682	S4TEF1014-110	Four-port T1/E1 RJ48 and a RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1310 nm, single-mode, SC, 20 km

RS-232 and RS-422/485 Stand-alone Media Converters

TRANSITION NETWORKS

The Transition Networks serial RS-232 to fiber media converters allow you to extend the distance between serial connections with the use of fiber optic cable. These full-featured converters transmit the full complement of RS-232 flow control/handshaking signals optically and support full- or half-duplex data transmissions at speeds up to 128 kbps. The RS-422/485 converters operate in two-wire mode for RS-422 and either two-wire or four-wire mode for RS-485 and support full- or half-duplex data transmissions at speeds up to 1.25 Mbps.

Anixter No.	Vendor No.	Description
284607	SRS2F3111-100	RS-232 with remote management DB9 to 1300 nm, multimode, ST, 2 km
284609	SRS2F3114-100	RS-232 with remote management DB9 to 1310 nm, single-mode, SC, 20 km
282309	SRS4F3111-100	RS-422/485 DB9 to 1300 nm, multimode, ST, 2 km
282316	SRS4F3114-100	RS-422/485 DB9 to 1310 nm, single-mode, SC, 20 km
282318	SRS4F3211-100	RS-422/485 terminal block to 1300 nm, multimode, ST, 2 km
282320	SRS4F3214-100	RS-422/485 terminal block to 1310 nm, single-mode, SC, 20 km

High-speed Serial Stand-alone Media Converters

TRANSITION NETWORKS

The converter will provide a solution for those users who desire to extend the point of presence of a copper V.35/X.21/RS-449/RS-530/RS-232 connection at data rates up to 10 Mbps. It supports remote management of a stand-alone converter. The converter uses a universal 26-pin serial interface to allow connections to multiple copper interfaces via a converter cable.

Anixter No.	Vendor No.	Description
330032	SPSVT2611-100	High-speed serial 26-pin to 1300 nm, multimode, ST, 2 km
330033	SPSVT2613-100	High-speed serial 26-pin to 1300 nm, multimode, SC, 2 km
330034	SPSVT2614-100	High-speed serial 26-pin to 1310 nm, multimode, SC, 20 km

Power over Ethernet Media Converters

TRANSITION NETWORKS

Extend network distances and power PoE-enabled devices with a Power over Ethernet media converter from Transition Networks. These PoE converters will enable enterprises to power network devices directly over a UTP data connection. The Power over Ethernet (PoE) converter emulates IEEE 802.3af Power Sourcing Equipment (PSE) and it is compatible with Powered Devices (PD) that comply with the 802.3af Standard. The ideal solution for delivering power over copper cabling to wireless access points, IP telephones and PoE cameras.

POWER OVER FAST ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
285061	SFEPE1011-100	AC powered 100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
285062	SFEPE1013-100	AC powered 100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
285063	SFEPE1014-100	AC powered 100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km
285064	SFEPE1011-110	DC powered 100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
285065	SFEPE1013-110	DC powered 100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
285067	SFEPE1014-110	DC powered 100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km

10/100 BRIDGING POWER OVER ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
330092	SPOEB1011-100	10/100BASE-TX to 100BASE-FX, 1300 nm, multimode, ST, 2 km
330093	SPOEB1013-100	10/100BASE-TX to 100BASE-FX, 1300 nm, multimode, SC, 2 km
330094	SPOEB1014-100	10/100BASE-TX to 100BASE-FX, 1310 nm, single-mode, SC, 20 km

10/100/1000 BRIDGING POWER OVER ETHERNET MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
379289	SGPOE1013-100	10/100/1000BASE-T to 1000BASE-SX, 850 nm, multimode, SC, 200 m
379290	SGPOE1014-100	10/100/1000BASE-T to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
379288	SGPOE1040-100	10/100/1000BASE-T to 100/1000BASE-X SFP slot (empty)
379291	SGPOE1040-110	10/100/1000BASE-T to two 100/1000BASE-X SFP slots (empty)

Analog Video CCTV Media Converters

TRANSITION NETWORKS

Transition Networks' analog composite video media transmitters convert CCTV signals from cameras to multimode or single-mode fiber for up to 10 km. Transition Networks' analog video media receiver converts the optical signal back to an analog composite video signal. All conversion is performed in real-time. Automatic gain control installed on both transmitter and receiver maintains desired quality of video's contrast and brightness for extended distances. No field adjustments are necessary. Wide-input-range power supply allows for multiple choices of power source including camera power supply.

Anixter No.	Vendor No.	Description
324798	J/VD-TX-01	Video transmitter, coax BNC to 850 nm, multimode, ST, 1 km
324801	J/VD-TX-01-SC	Video transmitter, coax BNC to 850 nm, multimode, SC, 1 km
324804	J/VD-TX-01-SM	Video transmitter, coax BNC to 1310 nm, single-mode, ST, 10 km
324799	J/VD-RX-01	Video receiver, coax BNC to 850 nm, multimode, ST, 1 km
324802	J/VD-RX-01-SC	Video receiver, coax BNC to 850 nm, multimode, SC, 1 km
324805	J/VD-RX-01-SM	Video receiver, coax BNC to 1310 nm, single-mode, ST, 10 km

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Transition Networks

Mini Stand-alone Media Converters

TRANSITION NETWORKS

The Mini Media Converters provide a cost-effective method for integrating fiber optic cabling into a 10/100 or 10/100/1000 UTP environment. With its miniature size, the Mini offers a space-saving alternative while it converts copper to fiber with the smallest footprint in the industry. Depending upon the unit, this plug-and-play media converter offers three methods for powering the unit. The Mini can be powered with the included power adapter, while other options include powering through a USB port or through an 802.3af Power over Ethernet-enabled RJ45 port. Two power options can be used simultaneously, providing the security of redundant power supplies. The Mini is available with either ST or SC fiber interfaces and is available for either multimode or single-mode fiber.

Anixter No.	Vendor No.	Description
326709	MP/E-PSW-FX-01	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
326710	M/E-PSW-FX-01-SC	10/100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
326711	M/E-PSW-FX-01-SM	10/100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km
379139	M/GE-PSW-SX-01	10/100/1000BASE-T to 1000BASE-SX, 850 nm, multimode, SC, 220 m
379175	M/GE-PSW-LX-01	10/100/1000BASE-T to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km

Media Converter Mounting Options

TRANSITION NETWORKS

Simplify your Transition Networks' stand-alone media converter installation with a media-converter rack. This 19 in. rack-mountable unit supports up to 12 of Transition's stand-alone media converters and requires only one AC power connection. For individual stand-alone converters, consider a secure installation with a wall-mount bracket.

Anixter No.	Vendor No.	Description
378448	E-MCR-05	12-slot media converter rack 12 V DC
284521	WMBD	DIN-rail-mount bracket, fits all standalone converters

Anixter No.	Vendor No.	Description
224954	WMBL	Wall-mount bracket long, for 4.7 in. converters
284292	WMBS	Wall-mount bracket short, for 3.9 in. converters

External Power Supplies

TRANSITION NETWORKS

Stand-alone media converters from Transition Networks ship with a 120 V AC power supply. But for those applications where the source of power is DC, Transition offers a variety of wide input stand-alone and piggyback DC power supplies.

Anixter No.	Vendor No.	Description
442722	SPS-2460-CC	Wide-input (18 to 72 V DC) piggyback power supply, used with legacy stand-alone converters 3.0 in. wide
442723	SPS-2460-PS	Wide-input (18 to 72 V DC) piggyback power supply, used with Point System stand-alone converters 3.25 in. wide
442724	SPS-2460-SA	Stand-alone power supply used with all stand-alone converters, Point System single-slot chassis or Point System dual-slot chassis

Point System Modular Media Converters

TRANSITION NETWORKS

The Point System is a cost-effective, fully configurable, managed modular media-conversion platform that provides users with the flexibility to build their own custom media-conversion system. The system includes a rack-mountable chassis and modular, hot-swappable, slide-in media-converter cards. Converters supporting various communications protocols can be used in the same chassis and provide managed media-conversion services to suit a custom network application. Chassis are available in either AC or DC power versions. Transition's SNMP management application, Focal Point 2.0, is included free of charge with each chassis and each management module. Combining media conversion with copper-based equipment can

save up to 45 percent in cost. The Point System's modular design allows users to add converters as they need to add fiber to their network. Therefore, users can utilize their existing copper-based equipment and not buy fixed multiport fiber devices.

FEATURES

- Cost savings
- Flexibility
- Maximum control
- Reliability
- Potential for future growth

POINT SYSTEM CHASSIS AND ACCESSORIES

Anixter No.	Vendor No.	Description
269844	CPSMC0800-100	8-slot Point System chassis
249803	CPSMC1300-100	13-slot Point System chassis
249729	CPSMC1900-100	19-slot Point System chassis
231557	CPSMC0100-200	Single-slot Point System chassis
249804	CPSMC0200-200	Dual-slot Point System chassis
251332	CPSMP-120	Redundant power supply, 120/240 V AC for CPSMC1300-100
284293	CPSMP-180	Redundant power supply, 120/240 V AC for CPSMC0800-100
249802	CPSMM-120	Single-slot primary management module
227237	CPSFP-200	Faceplate for use on all empty slots
249734	CPSLD-100	LED power status panel for the 19- or 8-slot Point System chassis

ETHERNET SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
251345	CETTF1013-105	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, SC, 2 km
251344	CETTF1011-105	10BASE-T RJ45 to 10BASE-FL, 850 nm, multimode, ST, 2 km
284663	CETTF1027-105	10BASE-T RJ45 to 10BASE-FL, 1300 nm, multimode, ST, 5 km
231621	CETTF1012-105	10BASE-T RJ45 to 10BASE-FL, 1310 nm, single-mode, ST, 20 km
284661	CETTF1022-105	10BASE-T RJ45 to 10BASE-FL, 1310 nm, single-mode, ST, 40 km

DUAL-STRAND FAST ETHERNET CONVERTER MODULES

Anixter No.	Vendor No.	Description
391000	CFETF1011-205	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, ST, 2 km
277828	CFETF1013-205	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, SC, 2 km
433922	CFETF1039-205	100BASE-TX RJ45 to 100BASE-FX, 1300 nm, multimode, LC, 2 km
260653	CFETF1014-205	100BASE-TX RJ45 to 100BASE-FX, 1310 nm, single-mode, SC, 20 km

SINGLE-STRAND FAST ETHERNET CONVERTER MODULES

Anixter No.	Vendor No.	Description
269852	CFETF1029-205	100BASE-TX RJ45 to 100BASE-FX, 1310 nm TX/1550 nm RX, single-fiber, single-mode, SC, 20 km
269856	CFETF1029-206	100BASE-TX RJ45 to 100BASE-FX, 1550 nm TX/1310 nm RX, single-fiber, single-mode, SC, 20 km

GIGABIT ETHERNET SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
332151	CGETF1013-110	1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode SC, 220 m
332152	CGETF1014-110	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
332153	CGETF1024-110	1000BASE-T RJ45 to 1000BASE-SX, 1300 nm extended, multimode, SC, 2 km

10/100/1000 MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
373778	CGFEB1013-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
268669	CGFEB1014-120	10/100/1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, multimode, SC, 10 km
373909	CGFEB1024-120	10/100/1000BASE-T RJ45 to 1000BASE-SX, 1300 nm, extended, multimode (62.5/125 fiber only), SC, up to 2 km

SINGLE-MODE TO MULTIMODE SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
231628	CFMFF1314-200	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC, 2 km to 1310 nm, single-mode, SC, 20 km
231629	CFMFF1315-200	Fast Ethernet or ATM/SONET, 1300 nm, multimode, SC, 2 km to 1310 nm, single-mode, SC, 40 km
231633	CFMFF1314-220	Gigabit Ethernet 1000BASE-SX, 850 nm, multimode, SC, 220 m to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
231634	CFMFF1315-220	Gigabit Ethernet 1000BASE-SX, 850 nm, multimode, SC, 220 m to 1000BASE-LX, 1310 nm, single-mode, SC, 25 km

T1/E1 AND DS3-T3/E3 SLIDE-IN MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
423409	CSDTF1011-120	T1/E1 twisted-pair RJ45 to 850 nm, multimode, ST, 2 km, with remote management
423410	CSDTF1013-120	T1/E1 twisted-pair RJ45 to 850 nm, multimode, SC, 2 km, with remote management
422080	CSDTF1014-120	T1/E1 twisted-pair RJ45 to 1310 nm, single-mode, SC, 20 km, with remote management

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(continued)   Point System Modular Media Converters

4X T1/E1 PLUS 10/100 ETHERNET TRANSPORT MUX MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
313686	C4TEF1011-100	Four ports T1/E1 RJ48 and a RS-232 6-pin DIN to 1300 nm, multimode, ST, 2 km
313687	C4TEF1013-100	Four ports T1/E1 RJ48 and a RS-232 6-pin DIN to 1300 nm, multimode, SC, 2 km
313689	C4TEF1014-100	Four ports T1/E1 RJ48 and a RS-232 6-pin DIN to 1310 nm, single-mode, SC, 20 km
313690	C4TEF1011-110	Four ports T1/E1 RJ48 and a RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, ST, 2 km
313691	C4TEF1013-110	Four ports T1/E1 RJ48 and a RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1300 nm, multimode, SC, 2 km
313694	C4TEF1014-110	Four ports T1/E1 RJ48 and a RS-232 6-pin DIN and 10/100BASE-TX RJ45 to 1310 nm, single-mode, SC, 20 km

RS-232 AND RS-422/485 SLIDE-IN MODULE MEDIA CONVERTERS

Anixter No.	Vendor No.	Description
284712	CRS2F3111-100	RS-232 with remote management DB9 to 1300 nm, multimode, ST, 2 km
284730	CRS2F3114-100	RS-232 with remote management DB9 to 1310 nm, single-mode, SC, 20 km
282279	CRS4F3111-100	RS-422/485 DB9 to 1300 nm, multimode, ST, 2 km
282281	CRS4F3114-100	RS-422/485 DB9 to 1310 nm, single-mode, SC, 20 km
282283	CRS4F3211-100	RS-422/485 terminal block to 1300 nm, multimode, ST, 2 km
282286	CRS4F3214-100	RS-422/485 terminal block to 1310 nm, single-mode, SC, 20 km

HIGH-SPEED SERIAL-TO-FIBER SLIDE-IN MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
330083	CPSVT2611-100	High-speed serial 26-pin to 1300 nm, multimode, ST, 2 km
257498	CPSVT2613-100	High-speed serial 26-pin to 1300 nm, multimode, SC, 2 km
330084	CPSVT2614-100	High-speed serial 26-pin to 1310 nm, single-mode, SC, 20 km

ION Modular Media Converters

TRANSITION NETWORKS

The ION Platform is an all new intelligent, high-density, multiprotocol system supporting a variety of media-conversion modules. It is designed for both carrier class and enterprise network applications where multiple points of fiber integration and secure network management of the fiber interface devices is essential. To take full advantage of all the features and functions available with the ION Chassis, an ION Management Module is required. The ION Management Module connects to the chassis backplane and communicates with the individual cards in the ION Chassis.

To use Point System Chassis Cards in the ION Chassis, the IONADP (ION adapter) needs to be used.

ION CHASSIS AND ACCESSORIES

Anixter No.	Vendor No.	Description
428411	ION219-A	19-slot chassis for the ION Platform, AC powered
484205	ION219-D	19-slot chassis for the ION Platform, DC powered
428492	ION001-A	1-slot chassis for the ION Platform
428496	IONPS-A	ION power supply module, universal input 100 - 240 V AC
484206	IONPS-D	ION power supply module, -48 V DC
428497	IONMM	ION management module
428500	IONADP	Point system adapter for the ION chassis

FAST ETHERNET SLIDE-IN CONVERTER MODULES

Includes 100BASE-TX RJ45 to 100BASE-FX and 1300 nm.

Anixter No.	Vendor No.	Description
484207	C2110-1011	Multimode, ST, 2 km
428430	C2110-1013	Multimode, SC, 2 km
484211	C2110-1039	Multimode, LC, 2 km
484213	C2110-1014	Single-mode, SC, 20 km

REMOTELY MANAGED FAST ETHERNET SLIDE-IN CONVERTER MODULES
Includes 10/100BASE-TX RJ45 to 100BASE-FX and multimode.

Anixter No.	Vendor No.	Description
484219	C2220-1011	1300 nm, ST, 2 km
484222	C2220-1013	1300 nm, SC, 2 km
484224	C2220-1014	1310 nm, SC, 20 km

GIGABIT ETHERNET SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
428427	C3110-1013	1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
484227	C3110-1024	1000BASE-T RJ45 to 1000BASE-SX, 1310 nm, extended multimode, SC, 2 km
484231	C3110-1014	1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km

REMOTELY MANAGED 10/100/1000 SLIDE-IN CONVERTER MODULES

Anixter No.	Vendor No.	Description
486191	C3230-1013	10/100/1000BASE-T RJ45 to 1000BASE-SX, 850 nm, multimode, SC, 220 m
486192	C3230-1014	10/100/1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 10 km
486193	C3230-1015	10/100/1000BASE-T RJ45 to 1000BASE-LX, 1310 nm, single-mode, SC, 30 km

T1/E1 TO FIBER SLIDE-IN CONVERTER MODULE

Anixter No.	Vendor No.	Description
484242	C6010-1011	Twisted pair (RJ48) to 1300 nm, multimode, ST, 2 km
484243	C6010-1013	Twisted pair (RJ48) to 1300 nm, multimode, SC, 2 km
484244	C6010-1014	Twisted pair (RJ48) to 1310 nm, single-mode, SC, 2 km
484245	C6010-1040	Twisted pair (RJ48) to SFP slot (empty)

4X T1/E1 PLUS 10/100 ETHERNET TRANSPORT MUX MEDIA CONVERTER MODULES

Anixter No.	Vendor No.	Description
484246	C6120-1011	Four ports T1/E1 RJ48, an RS-232 6-pin DIN, and 10/100BASE-TX RJ45 to 1300 nm, multimode, ST, 2 km
484247	C6120-1013	Four ports T1/E1 RJ48, an RS-232 6-pin DIN, and 10/100BASE-TX RJ45 to 1300 nm, multimode, SC, 2 km
484248	C6120-1014	Four ports T1/E1 RJ48, an RS-232 6-pin DIN, and 10/100BASE-TX RJ45 to 1310 nm, multimode, SC, 20 km

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Transition Networks

Fast Ethernet Fiber Adapters

TRANSITION NETWORKS

Fiber PCI network interface cards (NICs) from Transition Networks deliver low-cost fiber optic connectivity to the desktop.

FAST ETHERNET

Anixter No.	Vendor No.	Description
312409	N-FX-ST-02	Standard profile 100BASE-FX, 1300 nm, multimode, ST, 2 km
312411	N-FX-SC-02	Standard profile 100BASE-FX, 1300 nm, multimode, SC, 2 km
312413	N-FX-MT-02	Standard profile 100BASE-FX, 1300 nm, multimode, MT-RJ, 2 km
313705	N-FX-SC5-02	Standard profile 100BASE-FX, 1310 nm, single-mode, SC, 5 km
313706	N-FX-SC20-02	Standard profile 100BASE-FX, 1310 nm, single-mode, SC, 20 km

GIGABIT ETHERNET

Anixter No.	Vendor No.	Description
478104	N-GSX-SC-02	1000BASE-SX, 850 nm, multimode, SC, 220 m
478105	N-GSX-LC-02	1000BASE-SX, 850 nm, multimode, LC, 220 m
484257	N-GLX-SC-02	1000BASE-LX, 1310 nm, single-mode, SC, 10 km
484258	N-GLX-LC-02	1000BASE-LX, 1310 nm, single-mode, LC, 10 km

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Transition Networks

Ethernet Transceivers

TRANSITION NETWORKS

Transition Networks small form factor pluggable (SFP) transceivers are designed for bi-directional serial optical data communications such as Gigabit Ethernet or Fiber Channel at speeds up to 2.5 Gbps. This device is designed for use in switches and routers compatible with Small Form Factor Pluggable Multi-Sourcing Agreement (MSA).

Anixter No.	Vendor No.	Description
313699	TN-SFP-SX	1000BASE-SX, 850 nm, multimode, LC, 220 m
313700	TN-SFP-LX1	1000BASE-LX, 1310 nm, single-mode, LC, 10 km
313701	TN-SFP-LX3	1000BASE-LX, 1310 nm, single-mode, LC, 30 km
313702	TN-SFP-LX5	1000BASE-LX, 1550 nm, single-mode, LC, 50 km
313703	TN-SFP-LX8	1000BASE-LX, 1550 nm, single-mode, LC, 80 km
330115	TN-SFP-LX12	1000BASE-LX, 1550 nm, single-mode, LC, 120 km
330097	TN-SFP-FC2XM	Fiber channel 2.5 Gbps, 850 nm, multimode, LC, 150 m
330117	TN-SFP-FC2XS2	Fiber channel 2.5 Gbps, 1310 nm, single-mode, LC, 2 km
330116	TN-SFP-FC2XS15	Fiber channel 2.5 Gbps, 1310 nm, single-mode, LC, 15 km
330118	TN-SFP-FC2XS40	Fiber channel 2.5 Gbps, 1310 nm, single-mode, LC, 40 km
330121	TN-SFP-OC3M	OC3 125 Mbps, 1310 nm, multimode, LC, 2 km
330122	TN-SFP-OC3S	OC3 155 Mbps, 1310 nm, single-mode, LC, 20 km
330119	TN-SFP-OC12M	OC12 622 Mbps, 1310 nm, multimode, LC, 1 km
330120	TN-SFP-OC12S	OC12 622 Mbps, 1310 nm, single-mode, LC, 20 km
393208	TN-XFP-LR1	Ethernet 10GBASE-LR/10G Fiber channel, single-mode, 10 km
393209	TN-XFP-LR2	Ethernet 10GBASE-LR/10G Fiber channel, single-mode, 20 km
393205	TN-XFP-SR	Ethernet 10GBASE-SR/10G Fiber channel, multimode, 300 km on OM3 fiber

CISCO COMPATIBLE SMALL FORM FACTOR PLUGGABLES (SFP)

Transition Network's TN-GLC-xx series of small form factor pluggable (SFP) modules are designed to install in any SFP port, enabling 1000BASE-TX, 1000BASE-SX or 1000BASE-LX interfaces to the network through the SFP connector. These SFP modules are compatible with all Cisco SFP-based routers and switches, as well as Cisco's IOS software. These modules are not OEM-branded modules.

Anixter No.	Vendor No.	Description
379192	TN-GLC-T	1000BASE-T (RJ45), 100 m
379193	TN-GLC-SX-MM	1000BASE-SX, 850 nm, multimode, LC, 220 m
423412	TN-SFP-GE-S	1000BASE-SX, 850 nm, multimode, LC, 220 m, -40°C to 85°C

Anixter No.	Vendor No.	Description
379228	TN-GLC-LH-SM	1000BASE-LX, 1310 nm, single-mode, LC, 10 km
423413	TN-SFP-GE-L	1000BASE-LX, 1310 nm, single-mode, LC, 10 km, -40°C to 85°C
379229	TN-GLC-ZX-SM	1000BASE-LX, 1550 nm, single-mode, LC, 80 km
423414	TN-SFP-GE-Z	1000BASE-LX, 1550 nm, single-mode, LC, 80 km, -40°C to 85°C

HP COMPATIBLE SMALL FORM FACTOR PLUGGABLES (SFP)

Transition Network's TN-J48xxC series of small form factor pluggable (SFP) modules are designed to install in any SFP port, enabling 1000BASE-TX, 1000BASE-SX or 1000BASE-LX interfaces to the network through the SFP connector. These SFP modules are compatible with all Hewlett Packard SFP-based routers and switches. These modules are not OEM-branded modules.

Anixter No.	Vendor No.	Description
423415	TN-J4858C	1000BASE-SX, 850 nm, multimode, LC, 220 m
423416	TN-J4859C	1000BASE-LX, 1310 nm, single-mode, LC, 20 km
423417	TN-J4860C	1000BASE-LX/ZX, 1550 nm, single-mode, LC, 80 km

10G CISCO COMPATIBLE XFP MODULES

Transition Network's TN-XFP-xx series of XFP modules are designed to install in any XFP port, enabling 10GBASE interfaces to the network through the XFP connector. These XFP modules are compatible with all Cisco XFP-based routers and switches, as well as Cisco's IOS software. These modules are not OEM-branded modules.

Anixter No.	Vendor No.	Description
487182	TN-XFP-10G-MM-SR	10GBASE-SR/SW/10G Fiber channel/OC-192, 850 nm, multimode, LC, 300 m
487185	TN-XFP-10GER-OC192IR	10GBASE-ER/EW 10G Fiber channel/OC-192, 1310 nm, single-mode, LC, 10 km
487184	TN-XFP-10GLR-OC192SR	10GBASE-LR/LW 10G Fiber channel/OC-192, 1550 nm, single-mode, LC, 40 km

10G COMPATIBLE SFP+ MODULE

Transition Network's TN-SFP-10G-XX series of XFP modules are designed to install in any SFP+ port, enabling 10GBASE interfaces to the network through the SFP+ connector. These SFP+ modules are compatible with all Cisco SFP+ based routers and switches, as well as Cisco's IOS software. These modules are not OEM-branded modules.

Anixter No.	Vendor No.	Description
487174	TN-SFP-10G-SR	10GBASE-SR SFP+, 850 nm, multimode, LC, 300 m
487179	TN-SFP-10G-LR	10GBASE-LR SFP+, 1310 nm, single-mode, LC, 10 km
487175	TN-SFP-10G-LRM	10GBASE-LRM SFP+, 1310 nm, single-mode, LC, 220 m
487181	TN-SFP-10G-ER	10GBASE-ER SFP+, 1550 nm, single-mode, LC, 40 km

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- Power over Ethernet
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- Test equipment and tools
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Guard House
14
15
10
Backup Generator
Building Entrance Room
Telecom Room
1
Transformer
Electrical Equipment Room
9
5
6
4
18
17
11
8
Control Room
Reception
Chiller Plant
7
2
3
12
13
16
Data Center

Cable Legend
- Multimode fiber
- Single-mode fiber
- Grounding wire
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