INDUSTRIAL COMMUNICATION AND CONTROL SOLUTIONS
THE ANIXTER DIFFERENCE

Anixter is a leading global supplier of IP networking and cabling infrastructure solutions. As the originator of the cabling performance specifications that later became the TIA Category standards, our technical expertise can help you migrate mission-critical industrial control systems from traditional fieldbus applications to Ethernet-based plug-and-play solutions.
OUR INDUSTRIAL COMMUNICATION SOLUTIONS

Process control systems are using unified Industrial Ethernet networks to integrate across the enterprise and enable various improvements such as greater automation flexibility, standardization of control equipment, decreased implementation and commissioning time, and increased machine performance and productivity.

MARKETS SERVED
- Control systems integrators
- Panel shops
- Machinery original equipment manufacturers (OEMs)
- Electrical contractors
- End-users (IT)
NETWORKING

With the migration of Ethernet from the data center into the industrial environment, networking components usually confined to a controlled setting are now often in extremely harsh and sometimes hazardous environments. It is important to work with a supplier that can make sure the products you are receiving have the right cabling, jacketing and connectivity for your extreme environments.

ETHERNET SWITCHES
- Fiber and copper
- Managed and unmanaged
- Power over Ethernet (PoE)
- Rack- and DIN rail-mounted
- Class 1 Division 2
- IP67-rated Ethernet

GATEWAYS/PROTOCOL CONVERTERS
- Serial to Ethernet
- Fieldbus Ethernet I/O (Profinet, Ethernet IP, Modbus TCP/IP, etc.)
- Centralized
- Decentralized/on machine

INDUSTRIAL ETHERNET COPPER SOLUTIONS
- Copper cabling
- Bulk cabling
  - Shielded or unshielded
  - Approved constructions for PI, ODVA
- Patch panels
- Patch cords

MEDIA CONVERTERS
- Stand alone
- Chassis
- PCI powered

INDUSTRIAL FIREWALL SOLUTIONS
Contact your local Anixter sales representative to learn about the right products for you.

INDUSTRIAL WIRELESS
- 900 MHz
- 802.11 wireless
- Cellular

INDUSTRIAL ETHERNET COPPER SOLUTIONS
- Industrial fiber cabling
- Fiber patch panels
- Fiber connectors and patch cords
- Preterminated fiber solutions
- Fiber termination tools and instruments

INDUSTRIAL FIBER OPTIC SOLUTIONS
- Industrial fiber cabling
- Fiber patch panels
- Fiber connectors and patch cords
- Preterminated fiber solutions
- Fiber termination tools and instruments

CONNECTIVITY

Industrial environments require hardened and reliable connectivity solutions between control panels and edge devices. It is important to align yourself with a supplier that understands these environments and the degrees of protection required. Anixter works with best-in-class manufacturers to provide solutions specifically designed and intended for industrial applications. Whether the project requires a NEMA rating or a certain degree of ingress protection, we can help you choose the right solution for your application.

TERMINAL BLOCK SYSTEMS
- Screw and spring-clamp terminated
  - Fuse blocks
  - Knife disconnects
  - Overvoltage protection
- Industrial relay modules
- Power terminal blocks AWG 4-4/0

BULK CABLEING
- Fieldbus
- Instrumentation/control
- Ethernet
- Fiber

DISTRIBUTION AND I/O BLOCKS
- Active
- Passive

CORDSETS AND PATCH CORDS
- M8
- Combination of the above
- M12
- Encapsulated/sealed RJ45s
- Push-pull
- Field and crimp attachables
- Regular RJ45s

CONNECTORS AND SPLITTERS
- Bulkhead connectors, couplers and plugs (IP67, NEMA 6 and 6P sealed)
- Multimedia
- Taps and tees
- Industrial Ethernet
- Field attachable
- Industrial fiber
- Circular
- Receptacles
- Modular
- Rectangular industrial
- Power and signal
CONTROL

Anixter's industrial control offering includes a compact set of control products that are capable of integrating with your industrial communication applications. With broad experience in traditional fieldbus communications systems, we can help you migrate to Industrial Ethernet for improved plant operations and plant-to-enterprise communications.

BREAKERS
- Molded case circuit breakers (MCCB)
- Mini breakers
- Power breakers

CONTACTORS AND OVERLOADS
- IEC and NEMA
- Solid state
- Thermal

PILOT DEVICES
- Selector switches
- Pushbuttons
- Pilot lights

CONTROL POWER TRANSFORMERS
- Epoxy encapsulated
- 1 kVA to 5 kVA
- Molded-in terminals

I/O SOLUTIONS
- Remote
- IP67-rated

FUSE BLOCKS AND FUSES
- Available in a wide variety of sizes and types to make sure your equipment is protected

COMMUNICATIONS, CONTROL AND INSTRUMENTATION CABLES
- Flexible automation cables
- Hook-up and lead wire
- Multiconductor and multipair
- UL and CSA
- Variable frequency drive (VFD) cables

SECURITY

As technology continues to evolve, industrial environments are faced with the task of cost effectively upgrading legacy security subsystems to support IP-based security technologies, while providing an open architecture to scale in the future. Many industrial facilities contain harsh and hazardous environments that require specialized products. Anixter has the expertise to assist you with selecting the right physical security solution for your industrial application.

ACCESS CONTROL
- Asset tracking
- Biometrics
- Cards and readers
- Control panels and management software

VIDEO SURVEILLANCE
- Cameras (indoor, outdoor)
- IR illuminators
- Lenses
- Specialty housings
- Video management and recording systems
- Explosion-proof systems
- Wireless transmission systems
- Thermal cameras
- Video content analytics

MISSION-CRITICAL COMMUNICATIONS SYSTEMS
- Multizone, matrix and wireless
- Critical communications
- Mass communications

PERIMETER DETECTION
- Passive and active sensors
- Fiber optic sensor detection

SECURITY INFRASTRUCTURE AND LOW VOLTAGE
- UTP and fiber optic cables
- Coaxial cables
- Multiconductor cables
- Connectors and accessories

FUSE BLOCKS AND FUSES
- Available in a wide variety of sizes and types to make sure your equipment is protected

COMMUNICATIONS, CONTROL AND INSTRUMENTATION CABLES
- Flexible automation cables
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- Multiconductor and multipair
- UL and CSA
- Variable frequency drive (VFD) cables
OUR SUPPLY CHAIN SOLUTIONS
Anixter combines a wide product offering, technological expertise and innovative Supply Chain Solutions to service your industrial communication needs.

Our goal is to help customers:
• Minimize costs and risks
• Save time
• Enhance productivity through kitting, deployment and replenishment solutions.

Teaming with Anixter allows our customers to focus on their core competencies by shifting the responsibility of their current supply chain process to Anixter.
CASE STUDY | OEM MEETS DEADLINES WITH ANIXTER’S MATERIAL MANAGEMENT SOLUTION

Challenge
A large OEM customer needed to source, kit and stage installation-related materials required for a ship refurbishment. Facing tight project times, multiple suppliers and a diverse bill of materials, the OEM needed a partner to take on material and supplier management and to allow the customer to take costs out of its existing business model.

Anixter Solution – READY!SM Kit
Anixter created five types of READY! Kit part numbers, which included a variety of cable assemblies, terminal blocks, fuses and marker cards. Anixter’s READY! Kit helped to make sure all the material was sourced and the finished-good part numbers were staged and shipped according to schedule. This enabled the customer to meet its deadlines while leveraging our material-management core competency.

Benefits
• Single part number ordering
• Delayed cost of ownership
• Cost avoidance
• Redeployed space and skilled labor
• Reduction in excess and obsolete inventory

OUR MANUFACTURER PARTNERS

By partnering with industry-leading manufacturers, Anixter can help you answer the most difficult questions about components, applications and performance requirements to integrate the office communications network with even the harshest industrial environment.

**Anixter Association and Committee Memberships**
- Telecommunications Industry Association (TIA)
- International Organization for Standardization (ISO)
- Institute of Electrical & Electronics Engineers (IEEE)
- ONVIF
- Building Industry Consulting Services International (BICSI)
- Security Industry Association (SIA)
- Control Systems Integrators Association (CSIA)

**Technical Certifications**
- ASIS CPP (Certified Protection Professional)
- More than 90 Registered BICSI RCDDs
- PSPs (Physical Security Professional Certification)
- CCNAs (Cisco Certified Network Associate)

**ANIXTER PRESENCE**
- More than 450,000 products
- Over 50 countries
- Over $1 billion in inventory
- More than 250 cities
- Over 100,000 customers
- 2012 revenue of $6.3 billion
- Over 8,300 employees
- Year Founded: 1957
- Stock Symbol: AXE
- Fortune 500 List

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