

PRODUCT SOLUTIONS BRIEF
HEWLETT PACKARD ENTERPRISE

DATA CENTER NETWORK MIGRATION



Through our strong global partnerships and alliances with manufacturers such as HPE, we are able to present you with the following offering to meet your specific data center requirements.

HPE 12500 Modular Ethernet Switch Series

HPE's 12500 Switch Series is a family of powerful, next generation routing switches with outstanding capacity and leading scalability. Designed for high performance with nonblocking and distributed Clos architecture, they deliver up to 24.3 Tbps switching capacity and 10.8 Bpps throughput with up to 400 Gbps per line card slot. They also have energy-efficiency features that drive down operational expenses and are ideal for organizations contemplating large-scale data center consolidations, business continuity and disaster recovery sites, metropolitan area network deployments, and other applications.



High scalability with 24.3 Tbps switching capacity.

CHALLENGE SOLVERS

- Multitenant Device Context (MDC) provides an innovative data center virtualization solution that enables multitenancy, giving customers the ability to virtualize a physical switch into multiple logical devices with each logical switch having its own tenants.
- HPE's Ethernet Virtual Interconnect (EVI) allows for a Layer 2 extension across the data center to simplify the interconnectivity of geographically disperse data centers.
- HPE's Intelligent Resilient Framework (IRF) creates virtual resilient switching fabrics where two or more switches perform as a single L2 switch and L3 router, simplifying network operation.

THE ANIXTER APPROACH

High-Performance Structured Cabling

- **Network flexibility**
Apply designs to accommodate your performance requirements and highly scalable network architecture demands.
- **Cabling topology**
Determine the right choice for your computing requirements with careful consideration for end of row (EoR), middle of row (MoR), top of rack (ToR) or centralized cabling architectures.
- **Density demands**
Deploy scalable designs that accommodate for uncertain density requirements.

THE HPE SOLUTION

CHASSIS TYPE	MODULES	TRANCIEVERS
HPE 12504 HP 12508 or 12518 FlexFabric 12508E or 12518E	Power Fabric Management	SFP and SFP+ QSFP+ XFP

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Hewlett Packard Enterprise

WHAT WE HEAR

Data center stakeholders are dealing with a variety of challenges:



AMORTIZATION of cabling investment



Infrastructure **COMPLEXITY**



Restrictions of **LEGACY SYSTEMS**



SPEED of deployment



Pace of **INNOVATION**, adoption

Infrastructure as a Platform
by Anixter

Infrastructure as a Platform by Anixter offers a standards-based physical layer approach that provides a foundation to meet the high-performance computing demands of your data center.

CONFIGURE

We help you discover and map your specific needs to the best solution.

- Fabric modules
- Management module
- AC or DC power supplies
- Airflow requirements

BUNDLE

Your validated, preconfigured solutions are packaged and site ready.

- Transceivers
- Copper and fiber cabling
- Network cabinets
- Intelligent PDUs

DEPLOY

Controlled, repeatable solutions are delivered on time and under budget.

- Custom packaging and labeling
- Time-sensitive delivery options
- Staged project shipping
- Tailored last-mile delivery

HPE 12500 SERIES FEATURES

✓ IMPROVE NETWORK PERFORMANCE

- Delivers up to 24.3 Tbps switching capacity and 10.8 Bpps throughput
- Features up to 18 interface module slots that can scale up to 864 1 GbE and 1/10 GbE and 288 40 GbE ports
- Has supervisor module that uses three different processors to isolate key tasks

✓ PROVIDE RESILIENCY AND HIGH AVAILABILITY

- Uses ultrafast protocol convergence that enables link connectivity monitoring
- Offers a complete set of routing protocols (Layer 3 IPv4 and IPv6)
- Supports hot patching, allowing in-service patching for some isolated software problems



High availability with full hardware redundancy including power supplies, fan trays, supervisor modules and fabric modules.

> FOR MORE DETAILS VISIT ANIXTER.COM/SHOPHP/CALA

About Anixter: anixter.com/aboutus
Legal Statement: anixter.com/legalstatement

For over 30 years, Anixter has been the leading global, value-added distributor of physical layer communication infrastructure solutions for office, building and campus environments. As experts in large-scale project execution, we are a trusted supplier to leading communication integrator companies and have worked with many Fortune 500 companies.

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