

Layer 3 switch with 24 Ethernet ports and 4 fiber optic ports



Overview

24-Port Layer 3 Stackable 10 Gigabit Fiber Managed The DXS-3400 Series switches feature a modular fan and power supply design for a high availability GS-63.

Key Takeaways

Several Layer 3 switches offer 24 Ethernet ports and 4 fiber optic ports, providing high-performance routing, flexible connectivity, and advanced management features for enterprise and data center networks. Recommended Models

1. MikroTik CRS328-24P-4S+RM

- Ports: 24 Gigabit Ethernet with PoE output, 4 SFP+ 10Gbps fiber ports
 - Power: 500W built-in power supply, supports PoE-Out up to 30W per port
 - Software: Dual boot with RouterOS (full Layer 3 routing) or SwOS (simplified switching)
 - Form Factor: 1U rackmount, 28 independent ports
 - Use Case: Ideal for SMBs or enterprises needing PoE and flexible Layer 3 routing options
- #### 2. NETGEAR M4300-24X (XSM4324CS)
- Ports: 24 copper ports supporting 100M/1G/10G, 4 SFP+ ports for 1G/10G fiber
 - Throughput: 480 Gbps switching capacity

- Layer 3 Features: Supports static routing, RIP, OSPF, VRRP, PIM, and PBR
- Form Factor: Rack-mountable, suitable for data centers and AV installations
- Use Case: High-performance enterprise networks requiring advanced L3 management and fiber uplinks 3. D-Link DXS-3400 Series
- Ports: 24-port Layer 3 stackable switch with fiber support
- Features: Hot-swappable fans and power supplies, switch stacking, Data Center Bridging (DCB) support
- Software: Standard Image for SMB/SME, Enhanced Image for advanced L3 routing
- Use Case: Data center environments needing high availability and flexible software licensing 4. QSFPTEK S7600-24X2Q
- Ports: 24x 10G SFP+ ports, 2x 40G QSFP+ uplinks (split into 4x 10G each)
- Layer 3+ Features: Static routing, RIP, OSPF, BGP, MLAG, VXLAN, NVGRE, GENEVE
- Redundancy: Dual hot-swap AC power supplies, smart fan redundancy
- Use Case: High-performance aggregation layer, cloud networking, HCI, and data center applications 5. PLANET MGSW-28240F
- Ports: 24x 1Gbps/2.5Gbps Ethernet, 4x 10Gbps SFP+ fiber ports
- Layer 3 Routing: Supports IPv4/IPv6 VLAN static routing, OSPFv2
- Features: Non-blocking switch fabric, wire-speed throughput up to 158 Gbps, front-access design for easy maintenance
- Use Case: Enterprise LAN upgrades requiring flexible fiber and Ethernet connectivity

Key Considerations

- Throughput & Performance: Choose based on network traffic; QSFPTEK and NETGEAR models offer higher switching capacity for data centers.
- PoE Support: MikroTik CRS328-24P-4S+RM provides PoE for powering devices like IP cameras or access points.
- Layer 3 Features: Ensure the switch supports required routing protocols (OSPF, BGP, VRRP) for your network topology.
- Redundancy & Reliability: Hot-swappable power supplies and fans improve uptime in critical environments.

- Management: Options include CLI, web interface, SNMP, and stacking capabilities for simplified administration. These switches provide a balance of 24 Ethernet ports for local connectivity and 4 fiber optic ports for uplinks or long-distance connections, making them suitable for enterprise, SMB, and data center deployments.

Article Content

24-Port Layer 3 Stackable 10 Gigabit Fiber Managed

The DXS-3400 Series switches feature a modular fan and power supply design for a high availability

NETGEAR M4300-24X 10G 24 Port Switch XSM4324CS | Advanced

Featuring 24 versatile ports supporting 100M/1G/10G copper connections and 4 SFP+ ports for 1G/10G fiber connections, this switch

24-Port 10G Ethernet L3 Stackable Fiber Switch with

Explore QSFPTEK S7300-24X2C L3 10G Ethernet fiber optic switch! The 24 port 10G switch supports

Cisco Catalyst 1000 Series 24-Port and 48-Port Switch Hardware ...

RJ-45 console port. USB Type A port supports file system. The Cisco Catalyst 1000 Series Fast Ethernet switches are

24-Port Fiber Optic SFP Managed Switch with 10G Uplink

24 port Fiber Optic SFP Managed Switch allows you finish fiber connectivity that is with different bandwidth requirements conveniently

24-Port Layer 3 Stackable 10G Fiber Managed Switch

24 fixed SFP+ 10G ports with one expansion slot Two AC/DC hot-swappable power modules for 1+1 power redundancy and load

Fortinet FortiSwitch 424E-FIBER | AVFirewalls

The Fortinet FortiSwitch-424E-Fiber is a Layer 2/3 switch compatible with FortiGate controllers, equipped with 24 Gigabit Ethernet

48-Port Gigabit SFP+ 4-Port 10G SFP+ L3 Managed Ethernet Switch

The switch is 48-Port Gigabit SFP+ 4-Port 10G SFP+ L3 Managed Ethernet Switch. It is full fiber stackable routing switch with fixed,

Fiber Optic Network Switches | Ethernet to Fiber Switches

By combining copper Ethernet ports with fiber optic interfaces, VERSITRON switches make it possible to build, expand, and upgrade

Estink SFP Ethernet Fiber Optic Switch, 1000m Ethernet Fiber Optic ...

Product description SFP Ethernet Fiber Optic Switch, 1000m Ethernet Fiber Optic Transceiver, 4 Optical Ports 2

48-Port 10G Ethernet L3 Stackable Fiber Switch with 2x 40G QSFP+ Ports ...

The 10G downlink port can be connected to the access layer switch or server, and the 40G/100g uplink port can be connected to the

24-Port Layer 3 Stackable 10G Fiber Managed Switch

The DXS-3600 Series provides your network with high-performance 10G switching capacities of up to 960

IKS-G6824A Series

The IKS-G6824A Series is equipped with 24 Gigabit Ethernet ports, and support Layer 3 routing functionality to facilitate the

24 Ports Gigabit Layer 3 Core Fiber Switches with 4

Explore the 24-Port Gigabit Layer 3 Core Fiber Switch, equipped with 4 Ports of 10G SFP for superior

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