SM24DPB

Managed Layer 2 Gigabit Ethernet Switch

(20) 100/1000Base-X SFP Slots + (4) 100/1000Base-X SFP/RJ-45 Combo Ports

TRANSITION NETWORKS®

This switch is a high performance Layer 2 managed switch with 48Gbps switching capacity. It provides up to (24) dual speed fiber slots. It's an ideal switch for fiber connectivity applications.

Features

- Supports IPv4/IPv6 dual protocol stack
- Supports Jumbo Frames up to 9K bytes
- Authentication: RADIUS IEEE 802.1X, TACACS+
- Security: Supports SSH/SSL
- Port based or tagged (IEEE 802.1Q) VLAN, MAC based VLAN, Management VLAN and Private VLAN Edge
- DHCP Relay including option 82
- L2/L3/L4 ACLs Supports MAC ACL, IP standard/extended ACL
- LLDP (Link Layer Discovery Protocol)
- IEEE 802.3az Energy Efficiency
- IP Source Guard, Port Security

Device Management System (DMS)

- Graphical Monitoring – Topology view, Floor view, Map view
- Traffic Monitoring
- Troubleshooting – Network diagnostic, protection mechanism, performance and link management

Specifications

Standards	IEEE 802.3 IEEE 802.3u IEEE 802.3z IEEE 802.3ae IEEE 802.3x IEEE 802.3ad IEEE 802.1D IEEE 802.1w IEEE 802.1s IEEE 802.1Q IEEE 802.1p IEEE 802.3ad IEEE 802.1X IEEE 802.3az
Protocols	CSMA/CD
Technology	Store-and-Forward switching architecture
Connectors	(1) RJ console port (20) 100/1000 SFP slots (4) 100/1000 SFP/RJ-45 combo ports
MAC Addresses	32K MAC address table
Backplane	48Gbps
Dimensions	Width: 17.4" [442 mm] Depth: 8.31" [211 mm] Height: 1.73" [44 mm]
Power Consumption	12 Watts
Power Input	100 - 240 VAC +24 to +72 VDC or -24 to -72 VDC
Environment	Operating: -20°C to +60°C Humidity: 5% to 90% (non-condensing)
Weight	6.83 lbs. [3.1 kg]
Compliance	Safety: IEC60950, UL Listed; EMI: FCC Class A, CE Mark
Warranty	Lifetime

Software Features

- Management: Web Management, SNMP V1/V2c/V3, Telnet, CLI
- Port Trunk: Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP) and static trunk
- IGMP: Supports IGMP Snooping V1/V2/V3, GVRP, IGMP Proxy, and IGMP Querier
- Quality of Service: Supports 8 egress queues per port enable differentiated management of up to 8 traffic types across the stack. Strict priority and WRR
- Spanning Tree: Supports IEEE 802.1s MSTP, IEEE 802.1w RSTP and IEEE 802.1D STP Compliant
- VLAN: Port Based VLAN, IEEE 802.1Q tag-based, up to 4k VLAN entries, QinQ, MAC-based VLAN, Private VLAN, Guest VLAN, Voice VLANs and Management VLAN
- IPv4 / IPv6 Static Routing
- Firmware Update, configure backup/restore through TFTP and HTTP
- AC/DC Dual Power Supply

Switches