



transition networks managed switch

# SM24DPA

## 16-port 100/1000 Dual Speed SFP + (8) SFP/ RJ-45 Combo Ports Layer 2 Managed Switch

### Features

- ▶ Support Jumbo Frame up to 9K bytes
- ▶ Authentication
  - RADIUS, 802.1x, TACACS+
- ▶ Security - SSH/SSL
- ▶ Port based or tagged (802.1Q) VLAN , up to 4094 entries, Q-in-Q Port Mirroring
- ▶ Bandwidth Allocation
- ▶ DHCP Snooping including option 82
- ▶ IP-MAC binding for security
- ▶ ACL based on Ethernet Type / ARP / IPv4 for packets permit or deny, rate limitation and port copy
- ▶ LLDP (Link Layer Discovery Protocol)
- ▶ Syslog for device management
- ▶ Broadcast/Multicast/Unknown-Unicast Storm Control
- ▶ **Port Trunk** : Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP). The trunk group up to 12 and maximum trunk port member up to 16 ports.
- ▶ **IGMP** : Support IGMP Snooping V1/V2/V3, IGMP Proxy and MVR 802.1Q with GVRP/GARP
- ▶ **Quality of Service**: Supports 4 levels of priority with flexible classification and prioritization. Per port bandwidth management
- ▶ **Spanning Tree**: Supports IEEE 802.1s MSTP, IEEE802.1w RSTP and IEEE802.1d STP Compliant



The SM24DPA is a high performance Layer 2 managed fiber switch with 24 dual speed 100/1000BASE-X SFP slots, 8 of which are SFP/RJ-45 combo ports. Utilize fiber ports to eliminate bandwidth bottlenecks at aggregation points in the network. The SM24DPA is a flexible, cost effective aggregation and distribution switch that supports 100/1000Mbps fiber and 10/100/1000Base-T copper connections.

### Specifications

Standards	IEEE 802.3™, IEEE 802.3u, IEEE 802.3z, IEEE 802.3x, IEEE 802.3ad, IEEE 802.1D, IEEE 802.1w, IEEE802.1s IEEE 802.1Q, IEEE 802.1X, IEEE 802.1p, IEEE 802.1ad, IEEE 80.1AB
Protocols	CSMA/CD
Technology	Store and Forward switching architecture
Connectors	1 RS-232 Serial Port 8 10/100/1000 RJ-45 24 100/1000 SFP ports
MAC Address	8K MAC address table
Back Plane	48 Gbps
Dimensions	<b>Width:</b> 17.4" [442 mm] <b>Depth:</b> 8.23" [209 mm] <b>Height:</b> 1.7" [44 mm]
Input Power	Internal power: 100-240VAC
Power Consumption	40W Maximum
Environment	0 to +40°C operating temp. 5%– 90% humidity non-condensing
Safety	UL listed
EMI	FCC Class A; CE
Weight	6.4 lbs [2.9 kg]
Warranty	Lifetime

### Ordering Information

#### SM24DPA

(16) 100/1000BASE-X SFP slots  
+ (8) 100/1000BASE-X  
SFP/10/100/1000BASE-T RJ-45 ports  
includes 19" Rack Mount ears

Optional Accessories (sold separately)

#### SFP Modules

For smaller fiber port applications, please refer to 8-port fiber switch: MIL-SM8DPA

### Management Features

- ▶ **Management** : Web Management, SNMP v1/V2c/V3, Telnet, CLI
- ▶ **Firmware Update**: configure backup/restore through Web GUI

### IPv6 features

- ▶ IPv4/IPv6 Dual stack
- ▶ IPv6 NTP/Syslog/DHCP/ICMPV6
- ▶ IPv6 SNMP/HTTP/Telnet/SSH/802.1x/TACACS+/ACL