



## Applications

- IP Surveillance, supplying power and data to PTZ IP camera or thermal camera
- Supplying power and connectivity to lighting and other building IoT devices
- Thin Client, POS system, & digital signage

Switches

## Features

## Benefits

Hot-swappable dual AC power module	Scales the PoE power depending on need and eliminates system downtime with redundant power supplies
IEEE 802.3bt/at/af compliant	Compliant to the latest IEEE 802.3bt standard; increases the maximum PoE power available by utilizing all four pairs of the structured wiring, extends power capability to allow PD input power to reach up to 60 Watts for Type 3 and up to 90 Watts for Type 4
Supports up to 90 Watts output	Support for higher power enables new applications such as LED lighting or digital signage
Up to 1,640 Watts PoE budget	With secondary AC power supply installed, it can supply up to 60 Watts on all 24 ports simultaneously or 90 Watts on 18 ports simultaneously
Embedded Device Management System	A unique set of value-added features and capabilities that provide security integrators with lower overall cost, less downtime, and easier management and maintenance of the entire PoE++ network.
Auto Power Reset	Automatically monitors and reset PDs when no response to ICMP
Always on PoE	Allows warm reboot of the switch without affecting the PoE output to the attached Powered Devices

## Managed Gigabit Ethernet PoE++ Switch

(24) 10/100/1000Base-T Ports + (2) 100/1000Base-X SFP/RJ-45 Combo Ports



### Features

- Hot-swappable dual power supply modules
- Support IPv4/IPv6 dual protocol stack
- Support Jumbo Frame up to 9K bytes
- Authentication – RADIUS, TACACS+
- Security - Support SSH v1/SSH v2/SSL
- Port based or tagged (IEEE 802.1Q) VLAN, MAC based, Management VLAN and Private VLAN Edge
- DHCP Relay, DHCP Server
- L2/L3/L4 ACLs Support MAC ACL, IP standard/extended ACL
- LLDP (Link Layer Discovery Protocol)
- IEEE 802.3az Energy Efficiency
- IP Source Guard, Port Security

### PoE Features

- Compliant with IEEE 802.3bt PoE++
- Compliant with IEEE 802.3at PoE+
- Compliant with IEEE 802.3af PoE
- IEEE 802.1AB LLDP-MED Configuration
- PoE Configuration
- PoE Scheduling
- Auto Power Reset
- DHCP per Port
- Soft Boot
- Always on PoE

### Device Management System (DMS)

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

This switch is a high performance Layer 2 managed switch with 52 Gbps switching capacity. It provides (24) 10/100/1000 copper ports with IEEE 802.3bt PoE++ capability and (2) additional 100/1000 dual speed SFP/RJ-45 combo ports. The SM24TBT2DPA complies with the latest IEEE 802.3bt PoE++ standard and supplies up to 90 Watts per port. It can provide up to 1640 Watts PoE output with the dual hot-swappable power supplies equipped.

### 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 802.1ad IEEE 802.1AB IEEE 802.3af IEEE 802.3at IEEE 802.3bt IEEE 802.3az
Connectors	(1) RJ console port (24) 10/100/1000 RJ-45 ports (2) 100/1000 SFP/RJ-45 combo ports
Protocols	CSMA/CD
Technology	Store-and-Forward switching architecture
MAC Address	8K MAC address table
Backplane	52 Gbps
Dimensions	Width: 17.4" [442 mm] Depth: 11.8" [300 mm] Height: 1.73" [44 mm]
Power Input	100-240VAC Dual Hot Swappable Power Supplies; Power Redundancy, Failover
Power Consumption	Maximum Power Consumption without PoE 79 Watts with dual AC power modules 52 Watts with single AC power module
Power-over-Ethernet	Max 90 Watts output per port Max PoE Budget 1640 Watts with dual power supply 60 Watts for (24) ports simultaneously 90 Watts for (18) ports simultaneously  Max PoE budget 820 Watts with single power supply 30 Watts for (24) ports simultaneously 60 Watts for (13) ports simultaneously 90 Watts for (9) ports simultaneously
Environment	Operating: 0°C to +40°C Humidity: 10% to 90% (non-condensing)
Weight	10.47 lbs. [4.75 kg]
Certifications	FCC Class A, CE Safety: IEC62368-1/EN62368-1, UL Listed
Compliant* (Designed to Meet)	UL 2043, UL 2108, Plenum Rated
Warranty	Lifetime

\*Please contact sales with certification needs

### Ordering Information

**SM24TBT2DPA**  
(24) 10/100/1000Base-T ports  
+ (2) 100/1000Base-X SFP/RJ-45  
combo ports  
(includes (1) AC power supply and 19" rack  
mount brackets)

**SM24TBT2DPA-2XPS**  
(24) 10/100/1000Base-T ports  
+ (2) 100/1000Base-X SFP/RJ-45  
combo ports  
(includes (2) AC power supply and 19" rack  
mount brackets)

Optional Accessories (sold separately)

SFP Modules

Power Supplies (sold separately)

**PS-AC-920**  
Secondary AC Power Supply (920 Watts)  
Warranty: 5 Years

### 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: Support IGMP Snooping V1/V2/V3, GVRP, IGMP Proxy, and IGMP Querier
- Quality of Service: Supports 8 hardware queues. Strict priority and WRR
- Spanning Tree: Supports IEEE 802.1s MSTP, IEEE 802.1w RSTP and IEEE 802.1D STP Compliant
- Rapid Ring
- VLAN: Port Based VLAN, IEEE 802.1Q tag-based, up to 4k VLAN entries, QinQ, MAC-based VLAN, Private VLAN, Voice VLANs and Management VLAN
- Firmware Update, configure backup/restore through TFTP and HTTP

#### Power Cord Included

To order the corresponding country specific power cord, add the extension from the list below to the end of the SKU; Ex: SM24TBT2DPA-NA

#### -NA = Country Code

-NA = North America, -LA = Latin America  
-EU = Europe, -UK = United Kingdom  
-SA = South Africa, -JP = Japan  
-OZ = Australia, -BR = Brazil