

## Managed Gigabit Ethernet PoE+ Switch (24) 10/100/1000Base-T Ports + (4) 1G/10GBase-X SFP+ Ports

This switch is a high performance managed PoE+ switch with (24) 10/100/1000 copper ports and (4) dual speed 1G/10G SFP+ slots.



### Features

- Supports Jumbo Frame up to 10240 bytes
- Authentication – RADIUS IEEE 802.1X, TACACS+
- Security - Support SSH/SSL
- Port based or tagged (IEEE 802.1Q) VLAN, MAC based VLAN, Management VLAN and Private VLAN Edge
- DHCP Server, Client, Relay
- IEEE 1588v2 PTP (TC)
- ACLs Support for up to 512 entries, drop or rate limitation based on source and destination MAC, VLAN ID or IP address, protocol, port, DSCP/IP precedence, TCP/IP source and destination ports, IEEE 802.1p priority, Ethernet Type / IGMP packets, TCP flag
- LLDP (Link Layer Discovery Protocol)
- IEEE 802.3az Energy Efficiency

### PoE Features

- Compliant with IEEE 802.3at PoE+
- Compliant with IEEE 802.3af PoE
- IEEE 802.1AB LLDP-MED Configuration
- Auto Power Reset
- DHCP per port
- 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

### Specifications

|                     |                                                                                                                         |                                                                                                                        |
|---------------------|-------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Standards           | IEEE 802.3<br>IEEE 802.3z<br>IEEE 802.3ad<br>IEEE 802.1w<br>IEEE 802.1Q<br>IEEE 802.1ad<br>IEEE 802.3af<br>IEEE 802.3az | IEEE 802.3u<br>IEEE 802.3x<br>IEEE 802.1D<br>IEEE 802.1s<br>IEEE 802.1p<br>IEEE 802.1AB<br>IEEE 802.3at<br>IEEE 802.1X |
| Connectors          | (1) RS-232 Serial port<br>(24) 10/100/1000 RJ-45 ports<br>(4) 1G/10G SFP+ slots                                         |                                                                                                                        |
| Protocols           | CSMA/CD                                                                                                                 |                                                                                                                        |
| Technology          | Store-and-forward switching architecture                                                                                |                                                                                                                        |
| MAC Address         | 32K MAC address table                                                                                                   |                                                                                                                        |
| Backplane           | 128 Gbps                                                                                                                |                                                                                                                        |
| Dimensions          | Width: 17.4" [442 mm]<br>Depth: 8.31" [211 mm]<br>Height: 1.73" [44 mm]                                                 |                                                                                                                        |
| Power Consumption   | 44 Watts (max without PoE)<br>450 Watts (full load with PoE)                                                            |                                                                                                                        |
| Power Input         | Internal Power: 100 - 240VAC                                                                                            |                                                                                                                        |
| Power-over-Ethernet | Max PoE budget 370 Watts<br>30 Watts for (12) ports simultaneously<br>15.4 Watts for (24) ports simultaneously          |                                                                                                                        |
| Environment         | Operating: 0°C to 50°C<br>Humidity: 5% to 90% (non-condensing)                                                          |                                                                                                                        |
| Weight              | 8.38 lbs. [3.8 kg]                                                                                                      |                                                                                                                        |
| Certifications      | Safety: UL Listed, IEC62368/<br>EN62368<br>Emissions: FCC Class A, CE Mark                                              |                                                                                                                        |
| Warranty            | Lifetime                                                                                                                |                                                                                                                        |

### 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: SM24TAT4XB-xx

#### -xx = Country Code

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

### Ordering Information

#### SM24TAT4XB

(24) 10/100/1000Base-T ports  
+ (4) 1G/10GBase-X SFP+ slots (empty)

#### Optional Accessories (sold separately)

#### SFP and SFP+ Modules

### Features (Continued)

- Web Management, SNMP V1/V2c/V3, Telnet, CLI
- Supports IEEE 802.3ad port trunk with link aggregation control protocol (LACP). Supports up to 26 groups with (4) ports per group
- Supports IGMP Snooping V1/V2/V3, up to 1024 multicast groups, GVRP, IGMP Proxy, IGMP Querier
- MLD snooping V1/V2: deliver IPv6 multicast packages only to the required receivers
- Supports 8 hardware queues, Strict priority and WRR. Queue assignment based on DSCP and IEEE 802.1p CoS; IPv4/IPv6 precedence/ Type of Service / DiffServ / classification and remarking ACLs; rate limiting, ingress policer, egress shaping and rate control
- IEEE 802.1s MSTP, IEEE 802.1w RSTP and IEEE 802.1D STP Compliant
- Firmware Update, configure backup/restore through web GUI and TFTP
- Supports IPv4/IPv6 Layer 3 static routing
- ITU-T G.8031, G.8032, loop detection