

# SM24TAT4XA

## Managed Gigabit Ethernet PoE+ Switch

(24) 10/100/1000Base-T Ports + (4) 1000/10GBase-X SFP+ Slots



This SM24TAT4XA is a high performance managed switch with 128 Gbps switching capacity. It provides (24) 10/100/1000 copper ports with IEEE 802.3at PoE+ capability, and it has additional (4) 1000/10GBase dual speed SFP+ slots to support up to (4) 10G uplinks.



### Ordering Information

#### SM24TAT4XA

(24) 10/100/1000Base-T ports  
+ (4) 1000/10GBase-X SFP+ slots  
(includes 19" rack mount ears)

Optional Accessories (sold separately)

SFP and SFP+ Modules

Mounting Brackets

BRSM24-01

Wall Mount Bracket

### Features

- Supports Jumbo Frame up to 9K bytes
- Authentication – RADIUS 802.1x, TACACS+
- Security - Supports SSH V1/ V2/SSL
- Rate limiting: Ingress policer, egress shaping and rate control; per VLAN, per port and flow based
- DHCP Relay including option 82
- ACL: based on source and destination MAC / VLAN ID/ IP address / Protocol / port / DSCP / IP Precedence / TCP/ UDP source and destination ports / IEEE 802.1p / Ethernet type / ICMP packets / IGMP packets / TCP flag
- LLDP (Link Layer Discovery Protocol)
- IEEE 802.3az Energy Efficiency
- IP Source Guard, Port Security

### PoE Features

- Compliant with IEEE 802.3at PoE+
- Compliant with IEEE 802.3af PoE
- IEEE 802.1AB LLDP-MED Configuration
- Power Delay and PoE Scheduling
- Auto Power Reset (APR)

### 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 802.1v IEEE 802.1p IEEE 802.1ad IEEE 802.1AB IEEE 802.3af IEEE 802.3at IEEE 802.3az
Connectors	(1) DB-9 console port (24) 10/100/1000 RJ-45 ports (4) 1G/10G SFP+ slots
Protocols	CSMA/CD
Technology	Store-and-forward switching architecture
MAC Address	32K MAC address table
Memory Buffer	4Mbits
Backplane	128 Gbps
Dimensions	Width: 17.4" [442 mm] Depth: 15.15" [385 mm] Height: 1.73" [44 mm]
Power Consumption	50 Watts (max without PoE) 462 Watts (full load with PoE)
Power Input	Internal Power: 100 - 240VAC
Power-over-Ethernet	Max PoE budget 370 Watts 30 Watts for (12) ports simultaneously 15.4 Watts for (24) ports simultaneously
Environment	Operating: 0°C to 40°C Humidity: 10% to 90% (non-condensing)
Weight	9.6 lbs. [4.35 kg]
Compliance	Safety: LVD, UL Listed 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: SM24TAT4XA-NA

#### -NA = Country Code

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

### 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 14 groups with (8) ports per group.
- Supports IGMP Snooping V1/V2/V3, GVRP, IGMP Proxy, IGMP Querier and MLD snooping V1/V2
- 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, trusted QoS
- IEEE 802.1s MSTP, IEEE 802.1w RSTP and IEEE 802.1D STP Compliant
- Port Based VLAN, IEEE 802.1Q tag-based, up to 4k VLAN entries, QinQ, MAC-based VLAN, Private VLAN Edge, Management VLAN, Voice VLANs
- Firmware Update, configure backup/ restore through HTTP/TFTP/Console
- Supports IPv4/IPv6 dual protocol stack
- Hardware stacking capability with 10G SFP+ cable