SMTATSA Series

Enterprise Switches



SMART MANAGED GIGABIT ETHERNET POE+ SWITCHES INTEGRATED WITH PERCEPXION™ SOFTWARE

(8/16/24) 10/100/1000Base-T PoE++ Ports + (2) 100/1000Base-X SFP Slots

These Smart Managed PoE+ Switches come integrated with the Lantronix cloud based Percepxion™ software platform, providing comprehensive device life cycle management, enterprise application integration, and data analytics, all through a single pane of glass. These switches provide the benefits of ease of use in IP surveillance, Wireless Access Point and other applications.

The switch also includes DMS, accessible by Percepxion or the local web manager, provides advanced configuration and management of all IP addressable devices in the network, including a graphical network topology, floor map creator, device map view, traffic monitoring, and network diagnostics for troubleshooting.

Features	Benefits
Direct Management of Attached PD	Provides the capability of direct management and control of the attached IP addressable powered devices from the embedded DMS
Network Diagnostics	Switch enabled enhanced diagnostics including IP connectivity and physical layer cabling checks and tests
Network Monitoring	Enable health checking of PDs with ICMP ping “keep alive” and autoalarming for exceeded thresholds with the real-time graphical monitoring of traffic and statistics offered by DMS
Topology View	Provides end-to-end visibility of attached PDs with remote access into each device
Floor View	Allows the designer to import existing JPEG floor and site drawing into DMS
Google Maps™ View	Locate PD devices by state, city, and street address
IEEE 802.3at PoE+	Supplies up to 30 Watts per port and automatically detects PoE devices and their power class
Auto Power Reset	Automatically monitors and resets powered devices
LLDP-MED	Allows end-point devices to exchange power related information including power priority and power value of the powered device

End-to-End Solutions

LANTRONIX PERCEPXION

LEVEL Technical Services

Applications:

- IP surveillance, supplying power and data to IP cameras
- Connecting and remotely powering wireless access points
- Monitoring/managing attached powered devices from various vendors

Markets:



PoE Lighting



Smart Building



Security & Surveillance



Digital Signage

LANTRONIX

Specifications

Standards

- IEEE 802.3
- IEEE 802.3x
- IEEE 802.1s
- IEEE 802.1AB
- IEEE 802.3u
- IEEE 802.3ad
- IEEE 802.1Q
- IEEE 802.3af
- IEEE 802.3z
- IEEE 802.1D
- IEEE 802.1p
- IEEE 802.3at
- IEEE 802.3ab
- IEEE 802.1w
- IEEE 802.1ad
- IEEE 802.3az

Network Interface

- Store-and-forward switching architecture
- (8/16/24) 10/100/1000 Mbps RJ-45 ports; (2) 100/1000 Mbps SFP slots
- Protocols: CSMA/CD
- MAC Address: 8K MAC Address Table

PoE Features

- PoE configuration
- Auto Power Reset (APR)
- Always on PoE

Software

- Percepxion™ IoT Edge Solutions Platform
- DMS web manager for advanced configuration and management
- 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
- Multicast: Support IGMP Snooping V1/V2, MVR, MLD Snooping V1/V2
- Quality of Service: Supports 8 hardware queues. Strict priority and WRR, Ingress policer, Egress shaping and per port rate limiting
- 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
- Firmware Update through TFTP and HTTP

Environmental

- Operating: 0° to +50° C
- Humidity: 10% to 90% non-condensing

Power

- Input: 100-240VAC
- Surge Protection: 6KV

Certifications

- FCC Class A, CE, NOM
- Safety: IEC62368/EN62368, UL listed

Warranty

- 5 Years

Features

- IPv6 Access Management
- Support Jumbo Frame up to 9K bytes
- Authentication – RADIUS, TACACS+
- DHCP Relay, DHCP Snooping, 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
- Syslog
- Fan-less Design

Ordering Information

Part Number	Description
SM8TAT2SA-xx	(8) 10/100/1000Base-T ports + (2) 100/1000Base-X SFP slots (includes 19" rack mount brackets)
SM16TAT2SA-xx	(16) 10/100/1000Base-T ports + (2) 100/1000Base-X SFP slots (includes 19" rack mount brackets)
SM24TAT2SA-xx	(24) 10/100/1000Base-T ports + (2) 100/1000Base-X SFP slots (includes 19" rack mount brackets)

Accessories	Description
SFP Modules	Check out our full portfolio of SFPs on Lantronix.com

***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: SM8TAT2SA-NA

-xx = Country Code

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

Specifications	SM8TAT2SA	SM16TAT2SA	SM24TAT2SA
Backplane	20 Gbps	36 Gbps	52 Gbps
Dimensions	Width: 8.66" [220 mm] Depth: 9.53" [242 mm] Height: 1.73" [44 mm]	Width: 17.4" [442 mm] Depth: 8.3" [211 mm] Height: 1.73" [44 mm]	Width: 17.4" [442 mm] Depth: 8.3" [211 mm] Height: 1.73" [44 mm]
Input Power	Input 100-240V~ 50-60Hz 3A max	Input 100-240V~ 50-60Hz 4.97A max	Input 100-240V~ 50-60Hz 4.97A max
Power Consumption	147 Watts (full load with PoE)	296 Watts (full load with PoE)	438 Watts (full load with PoE)
Power-over-Ethernet	Max PoE budget 130 Watts 30 Watts for (4) ports simultaneously or 15.4 Watts for (8) ports simultaneously	Max PoE budget 250 Watts 30 Watts for (8) ports simultaneously or 15.4 Watts for (16) ports simultaneously	Max PoE budget 370 Watts 30 Watts for (12) ports simultaneously or 15.4 Watts for (24) ports simultaneously
Weight	4.4 lbs. [2.0 kg]	6.6 lbs. [3.0 kg]	6.6 lbs. [3.0 kg]

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