Elite Series

LPS3800ATM-T1S

8-Port Outdoor 1G Managed PoE Switch, w/ 2 1G RJ45 and 4 SFP Uplink Ports

The LinkPower™ LPS3800ATM-T1S is a Layer 2+ 14-Port Gigabit Managed Outdoor 802.3at PoE switch designed for industrial and commercial applications. It features 8 Gigabit PoE+ (802.3at) ports, 2 RJ45 and 4 SFP (2.5G SFP uplink port #13, 14) uplink ports, delivering up to 30W per port with a total power budget of 240W.

Housed in an IP68-rated weatherproof enclosure, it withstands harsh outdoor conditions, with IP66 (hinged cover) or IP68 (screw-locked) protection. Dual power input (120–240V AC and 48V DC) ensures reliable operation, while fiber uplinks support long-distance transmission up to 120 km.

Designed for demanding environments, it operates from -30°C to +70°C and includes 6KV surge protection. Advanced Layer 2+ features such as VLAN, Link Aggregation, SNMP, and QoS enable efficient network management.

By integrating PoE, the LPS3800ATM-T1S simplifies installation and reduces costs, making it a reliable solution for outdoor surveillance, wireless, and industrial networks.

Key Product Features

- 8x 10/100/1000Mbps RJ45 PoE++ ports supporting IEEE 802.3at
- 2x Gigabit RJ45 and 4x SFP fiber uplink ports for high-bandwidth, long-distance transmission
- Up to 30W per port
- Dual power input redundancy (120–240V AC and/or 48V DC
- Layer 2 management features including VLAN (Port-based, IEEE 802.1Q, GVRP), Dynamic VLAN, and QoS
- SNMP v1/v2c/v3 and RMON support for network monitoring and management
- Security features including 802.1x, RADIUS, TACACS+, HTTPS, SSH, IP & MAC binding, and port security
- Compliant with IEEE standards: 802.3, 802.3u, 802.3z, 802.3ab, 802.3x, 802.1D, 802.1Q, 802.1p, 802.1x, 802.1W, SNMP, IGMP
- 12Gbps non-blocking bandwidth, 8K MAC address table
- Auto MDI/MDIX on all ports
- IEEE 802.3x flow control and back pressure support
- 6KV Ethernet surge protection for harsh outdoor environments
- Operating temperature: -30°C to +70°C (full load)
- Event and fault management with email alerts and relay output

Technical Specifications

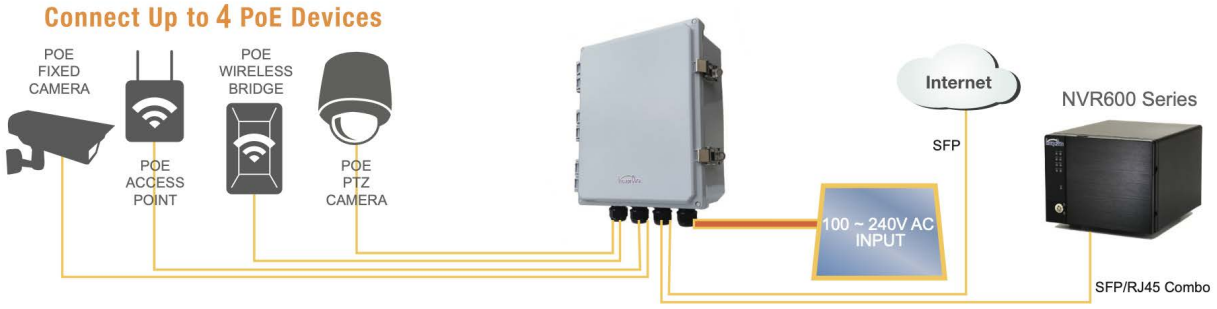
Model Description	Outdoor 14-Port Layer 2+ Gigabit Managed 802.3at PoE Switch
Model Name	LPS3800ATM-T1S
Port Interface	8* Gigabit 802.3at PoE ports (Data/ Power), 2* Gigabit RJ45 and 4* Gigabit SFP fiber uplink ports (Data)
Console Port	1*Console RS232 port (115200,N,8,1)
Forwarding Mode	Store and Forward (Full Wire Speed)
Network Media	10BASE-T: UTP Cat 3, 4, 5 (≤100 Meters), 100BASE-TX: UTP Cat 5/5e/6 (≤100 Meters) 1000BASE-TX: UTP Cat 5/5e/6 (≤150 Meters), 2.5Gbps Uplink Speed SFP Port 13 & 14
Performance Specification	Bandwidth: 12Gbps (non-blocking) Network Latency (100 to 1000 Mbps): maximum delay less than 50 microseconds Packet forwarding rate: 8.93Mbps@64bytes MAC address table: 8K MTBF: 190,000 hours (about 21 years) Support protection for over-current, over-voltage and reverse connection
Network Protocols and PoE Standards	IEEE 802.3: CSMA/CD, IEEE 802.3i: 10Base-T, IEEE 802.3u: 100Base-T IEEE 802.3ab: 1000Base-T, IEEE 802.3x: Flow Control, IEEE 802.1af: DTE Power via MDI IEEE 802.3af: Power-over-Ethernet standard, IEEE 802.3at: Power-over-Ethernet standard
LED Indicator	PWR, 10/100/1000, PoE, SFP Network
Power Supply	AC Input Voltage: 120V ~ 240V AC DC Input Voltage: 48V Output Voltage: 48V DC IEEE802.3at standard, each port power is 30W, total power is 240W for 8 ports Support OCP (Over-Current Protection) and electronic protection Connection: 3-pin AC pluggable connecting terminal, 4-pin DC pluggable connecting terminal
Enclosure Dimension	LxWxH: (12 x 10 x 4 inch, 304.8 x 250.4 x 101.6 mm)
Working Environment	Working Temperature: -30~70°C Storage Temperature: -40~85°C Relative Humidity: 5%~95%, non-condensing Storage Humidity: 10%~95%, non-condensing Working Height: 3000M above sea level (10,000ft) Storage Height: 3000M above sea level (10,000ft)
Radiation	CE mark, commercial FCC Part 15 Class B
Certification	CE Mark, Commercial CE/LVD FCC, RoHS, C-TICK, UL
Warranty	3 Years

Software Specifications

Layer 2+ Switching	
Spanning Tree Protocol (STP)	Standard Spanning Tree 802.1d Rapid Spanning Tree (RSTP) 802.1w
G.8032 ERPS	<50ms ring protection for industrial high reliable application
Aggregation	Link Aggregation Control Protocol (LACP) IEEE 802.3ad; Up to 7 groups ; Up to 14 ports per group
VLAN	Support up to 4K VLANs simultaneously (out of 4096 VLAN IDs) ; Port-based VLAN; 802.1Q tag-based VLAN, GVRP, Dynamic VLAN MAC Address Authentication
IGMP v1/v2 snooping	IGMP limits bandwidth-intensive multicast traffic to only the requesters; supports 1024 multicast groups (source-specific multicasting is not supported)
Security	
Secure Shell (SSH) Protocol	SSH secures Telnet traffic in and out the switch, SSH v1 and v2 are supported
Secure Sockets Layer (SSL), HTTPS	SSL encrypts the http traffic, allowing advance secure access to the browser-based management GUI in the switch
Port Security	Locks MAC Addresses to ports, and limits the number of learned MAC addresses
DHCP Snooping	prevent unauthorized configuration and use of IP addresses, while providing support for IP Source Guard and ARP detection
IP Source Guard	Prevents datagram with spoofed addresses from being in the network
ARP Inspection	Prevent ARP spoofing attacks and ARP
Storm control	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
ACLs	Support for up to 256 entries; Drop or rate limitation based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP) / IP precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag
Quality of Service	
Hardware	Support 8 hardware queues
Scheduling	8 COS (Class of Service) queues per port support strict priority and weighted round-robin (WRR)
Classification	Port based; 802.1p (PCP) VLAN priority based;
Rate Limiting	Ingress policer; egress shaping and rate control; per VLAN,per port and flow based
Management	**(Web/ SSL, Telnet/ SSH, ping, Trivial File Transfer Protocol (TFTP), SNMP, Syslog)**
Web GUI interface	Built-in switch configuration utility for browser-based device configuration (HTTP/HTTPs). Supports configuration, system dashboard, maintenance, and monitoring
Dual Image	Dual image provides independent primary and secondary OS files for backup while upgrading
Firmware upgrade	Web browser upgrade (HTTP/ HTTPs) and TFTP; Upgrade through console port as well
Port mirroring	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to **N-1 (N is Switch's Ports)** ports can be mirrored to single destination port. A single session is supported.
Other management	Single IP management; HTTP/HTTPs; SSH; RADIUS; TACACS+, DHCP Client; SNTP; cable diagnostics; ping; syslog; Telnet client (SSH secure support)

System Configuration

LinkPower™ LPS3800ATM-T1S



Accessories

Standard Accessories

PFCK0001-3
Power & Fiber Connector Kit

ECK0001-4
Ethernet Connector Kit

WMK0001
Wall Mounting Kit

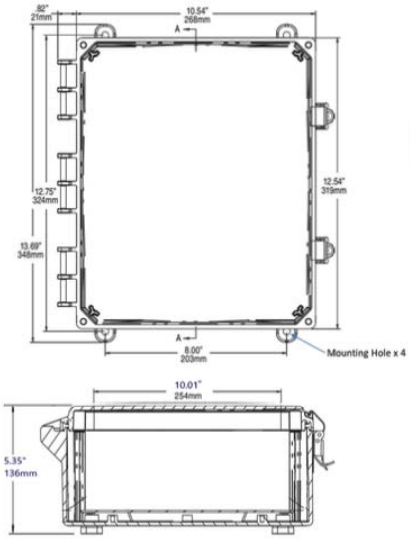
APCK0001
AC Power Cable Kit

Optional Accessories

MMK0001-S
Mast Mounting Kit
(Pole Diameter from 2" to 4.5")

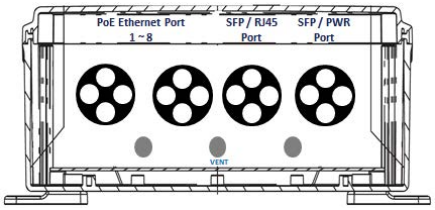
Pole Mount View

Enclosure Drawings & Interfaces



Interfaces

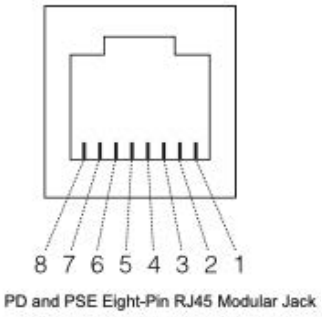
1. Weatherproof PoE Connector
2. Weatherproof SFP Cable Connector
3. Weatherproof AC / DC Power Cable Connector
4. Vent Plug



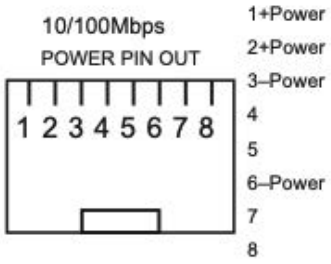
To Use Conduit Connectors, the diameter of the holes is 1.0 inch.

Internal Hotel Space: 10"x5"x4" (LxWxH) for Wiring Storage

Electrical Pin Out Diagram



PD and PSE Eight-Pin RJ45 Modular Jack



Package Contents

1. LinkPower LPS3800ATM-T1S PoE Switch
2. User's Manual
3. Quick Install Guide
4. Warranty Information
5. APCK0001 AC Power Cable Kit
6. PFCK0001-3 Power & Fiber Connector Kit
7. ECK0001-4 Ethernet Connector Kit
8. WMK0001 Wall Mount Kit with 4 Flanges
9. MMK0001-L Pole Mount Kit (Optional)