

LinkPower™ LPS3802ATMP-T1

Outdoor Layer 2+ Managed Gigabit 802.3bt
PoE Switch, 2 Gigabit Fiber Uplink Ports



APPLICATIONS

- Smart City
- Video Security Surveillances
- Campus Networks
- Wireless Service Networks
- Border Security Surveillance
- Municipal Networks
- Hospitality Networks
- Hotel Resort Networks
- Hotspot Integrations
- VOIP Services
- Traffic Monitoring

The LinkPower™ LPS3802ATMP-T1 is a Layer 2+ 10-Port Gigabit Managed Outdoor 802.3bt PoE (Power over Ethernet) switch designed for industrial and commercial outdoor applications. It features 8 Gigabit 802.3bt (PoE++) PoE ports and additional 2 Gb SFP uplink ports, delivering up to 90W per PoE port with a total system power of 400W. This makes it ideal for powering high-performance outdoor devices such as IP cameras, wireless access points, and industrial telephony.

Housed in a robust, IP68-rated weatherproof enclosure, the LPS3802ATMP-T1 can withstand extreme outdoor conditions, including heavy rain, dust, and temperature fluctuations. Its weatherproof rating depends on the closure method: it achieves an IP66 rating with a hinged cover and an IP68 rating when securely fastened with the four top screws. The switch supports dual power input redundancy, accepting both 120V–240V AC and 48V DC, providing flexibility and reliability in power delivery. Additionally, it includes two SFP+ fiber uplink ports for long-distance data transmission, capable of reaching up to 120km, making it an excellent choice for large-scale deployments.

Built for harsh environments, the LPS3802ATMP-T1 operates within a temperature range of -30°C to +70°C and features 6KV Ethernet port surge protection to safeguard against voltage spikes. It also includes advanced Layer 2+ management capabilities such as VLAN, Link Aggregation, Trunking, SNMP, and QoS, ensuring effective traffic control and network optimization.

By integrating PoE technology, this switch eliminates the need for separate power sources, simplifying installation and reducing costs. Whether used for security surveillance, carrier WiFi, or industrial automation, the LPS3802ATMP-T1 is a reliable, high-performance networking solution tailored for outdoor PoE applications.

- Dual Power Input Redundancy with 120V~240AC and/or 48V DC
- Compliant to IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.3ab, IEEE 802.3x, IEEE 802.1D, IEEE 802.3af, IEEE 802.1Q, IEEE 802.1p, IEEE802.1x, IEEE 802.1W, SNMP, IGMP standards
- Eight 10/100/1000M self-sensing RJ45 port, support IEEE802.3bt Type 3 & Type 4 PoE power supply function
- Two gigabit SFP fiber ports are capable of high bandwidth and long distance transmission
- All ports support auto-flip (Auto MDI/MDIX)
- Each PoE port can provide power 60W and up to 95W
- Supply 95W PoE++ DC power for powered devices compatible with IEEE802.3bt
- Port security, allows setting different security level on each port with password, 802.1x, IP&MAC address Guard, RADIUS, & TACACS+
- Support IEEE802.3x full duplex flow control and duplex back pressure flow control
- 8K MAC address table, 12Gbps backplane bandwidth
- Its 6KV network port surge protection can adapt to harsh outdoor environment
- Working temperature from -30°C ~ +70°C at full load
- Compatible with Port-based VLAN, IEEE 802.1Q VLAN and GVRP protocols, & Dynamic VLAN MAC Address Authentication
- Support authentication features including TACACS+, IEEE 802.1x, HTTPS and SSH, and MAC address port locking
- Support SNMP V1/V2c/V3 for different levels network management
- Adopt RMON to effectively improve network surveillance and forecasting capabilities Auto accident report through E-mail and the output of electric relay

** LinkPower LPS Outdoor PoE Series Products are protected under several of Inscape Data's U.S. Patents.

Model Description	Outdoor 10-Port Layer 2+ Gigabit Managed 802.3bt PoE Switch
Model Name	LPS3802ATMP-T1
Port Interface	8* Gigabit 802.3bt PoE ports (Data/ Power) , 2* Gigabit uplink SFP fiber 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 (≤ 100 Meters)
Performance Specification	Bandwidth: 12Gbps (non-blocking) Network Latency (100 to 100M bps): maximum delay less than 50 microseconds Packet forwarding rate: 8.93Mbps@64bytes MAC address table: 8K MTBF: 539608 hours Support protection for over-current, over-voltage and reverse connection
Network Protocols and PoE Standards	IEEE 802.3 10BASE-T, IEEE 802.3i 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-X, IEEE 802.3x IEEE 802.3abt Type 3 60W & Type 4 95W
LED Indicator	Running Light: SYS, Interface Light: LINK, PoE
Power Supply	AC Input voltage: 120V ~ 240V AC DC Input voltage: 48V~57V Power Connector: 3-Pin AC & 4-Pin DC industrial terminal Block System Power : 400W Surge Protection: 6kv TP Port Surge Protection: 4.5Kv
Enclosure Dimension	LxWxH: (12 x 10 x 4 inch, 304.8 x 250.4 x 101.6 mm)
Working Environment	Working Temperature: -30~70℃ Storage Temperature: -40~85℃ 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

PACKAGE CONTENTS

- LinkPower LPS3802ATMP-T1 Gigabit PoE Switch
- User's Manual
- Quick Install Guide
- 3-Year Warranty Information
- APCK0001 AC Power Cable Kit
- PFCK0001-3 Power & Fiber Connector Kit
- ECK0001-4 Ethernet Connector Kit
- WMK0001 Wall Mount Kit with 4 Flanges (Standard)
- MMK0001-L Pole Mount Kit (Optional)



THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY

Product Information Online: <http://www.inscapedata.com/lps3000-t1-mgt.htm>

Corporate Headquarters
2012 Hartog Dr, San Jose, CA 95131, U.S.A.
PHONE +1.408.392.9800 FAX +1.408.392.9812
EMAIL sales@inscapedata.com

Total Turnkey Solutions for Outdoor PoE, Wired/Wireless, and IP Video Applications

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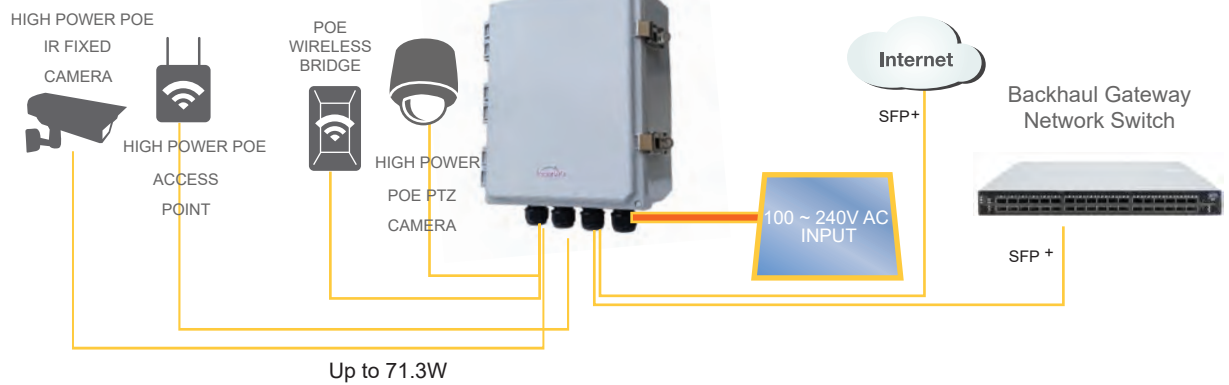
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Layer 2+ Switching	
Spanning Tree Protocol (STP)	Standard Spanning Tree 802.1d Rapid Spanning Tree (RSTP) 802.1w
G.8032 ERPS	<50ms ring protection for industrial high reliable application
Aggregation	Link Aggregation Control Protocol (LACP) IEEE 802.3ad; 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™ LPS3802ATMP-T1
Managed Gigabit PoE Switch

Connect Up to 8 PoE Devices



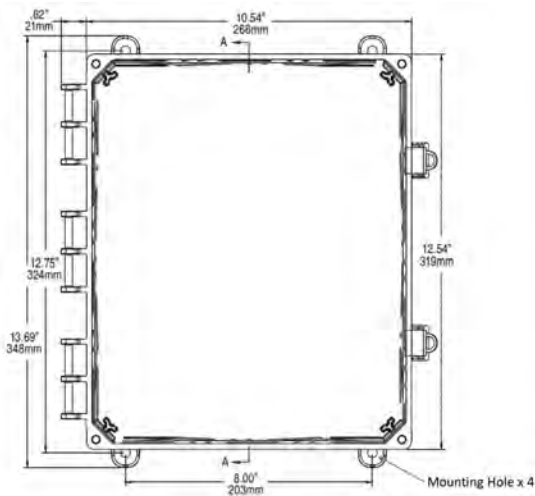
STANDARD ACCESSORIES

ECK0001-2
Ethernet Connector KitWMK0001
Wall Mounting KitAPCK0001
AC Power Cord Kit

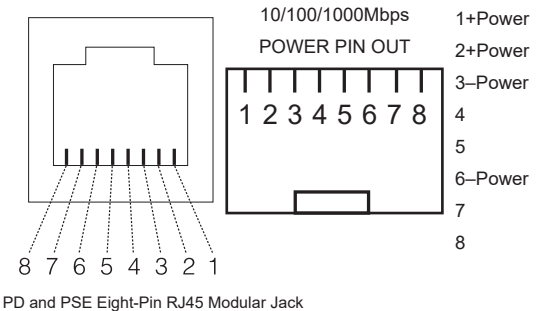
OPTIONAL ACCESSORIES

MMK0001-L Mast
Mounting Kit
(For Pole Diameter
from 2" to 4.5")WPCCK0001-3-4
DC Power Cord Kit

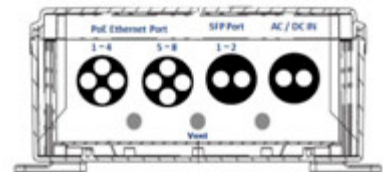
ENCLOSURE DRAWINGS & INTERFACES

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

ELECTRICAL PIN OUT DIAGRAM



LPS3802ATMP-T1 Connector Interfaces

To Use Conduit Connectors, the Diameter of
Hole Size is 1.0 Inch

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

Pole Mount View

