Expert Series

LPS3400-T1E Series

Managed 6-Port Gigabit Outdoor Switch with 4 PoE Ports and 2 SFP Uplink Ports



IEEE 802.3at PoE+, 30W

200W Total System Power

Optional Single AC Receptacle Outlet

IP68

The LinkPower™ LPS3400-T1E Outdoor Gigabit PoE Series is a Layer 2 managed 10-Port switch designed for industrial and commercial outdoor applications such as video surveillance, wireless networking, and edge connectivity. It features 4 10/100/1000Mbps IEEE 802.3af/at PoE ports and 2 1.25G SFP fiber uplink ports for high-bandwidth and long-distance transmission, available in two models: LPS3400AFM-T1E, with a total system power 65W, and LPS3400ATM-T1E, with a total system power of 200W.

The series delivers up to 30W per PoE port, with total system power budgets of 62W for the LPS3400AFM-T1E and 150W for the LPS3400ATM-T1E, providing flexibility for a wide range of powered devices including IP cameras and wireless access points.

Built for harsh outdoor environments, the LPS3400-T1E series operates in temperatures from -30°C to +70°C and includes industrial-grade protection features to ensure reliable performance. Advanced Layer 2 management capabilities such as VLAN, QoS, SNMP, and Link Aggregation enable efficient network control and optimization.

For added flexibility, the series supports the optional ACR0001 Single AC Receptacle Outlet Module, available as an add-on accessory. This integrated 120V AC NEMA 5-15R receptacle features a rocker switch with a thermal circuit breaker for overload protection, providing a convenient AC power connection within the enclosure.

Key Product Features

- 4x 10/100/1000Mbps RJ45 PoE+ ports supporting IEEE 802.3at(up to 30W per port)
- 2x Gigabit SFP fiber uplink ports for high-bandwidth, long-distance transmission
- Supports IEEE 802.3at PoE+ to power high-performance devices
- Dual power input redundancy (120–240V AC and/or 48V DC)
- Advanced 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 address 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 backplane bandwidth, 8K MAC address table
- Auto MDI/MDIX on all ports
- IEEE 802.3x flow control and back pressure support
- 6KV Ethernet port 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

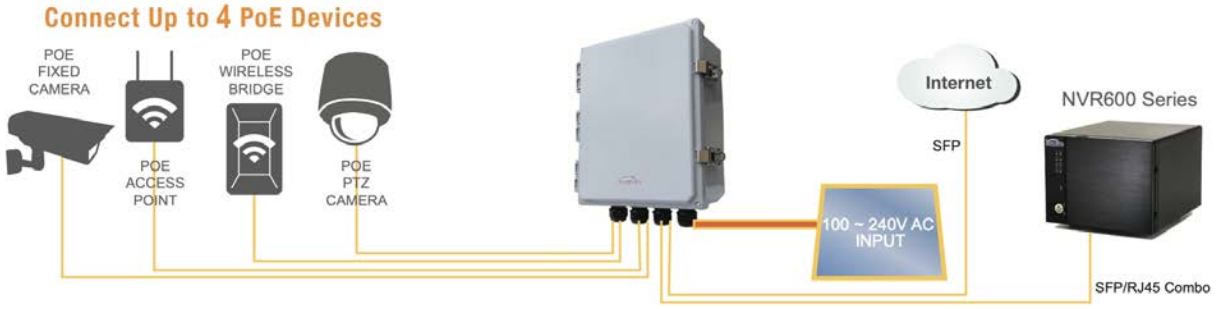
Model Description	Outdoor 6-Port Layer 2+ Gigabit Managed 802.3at PoE Switch
Model Name	LPS3400-T1E
Port Interface	4* Gigabit 802.3bt PoE ports (Data/ Power), 2* Gigabit uplink SFP fiber ports (Data)
Console Port	1*Console RS232 port (115200,N,8,1)
Forwarding Mode	Store and Forward (Full Wire Speed)
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 1000 Mbps): 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
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 LPS3400AFM-T1E: 65W LPS3400ATM-T1E: 200W Surge Protection: 6kV TP Port Surge Protection
Enclosure Dimension	LxWxH: (12 x 10 x 4 inch, 304.8 x 250.4 x 101.6 mm)
Working Environment	Working Temperature: -30~70 F Storage Temperature: -40~85 F 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™ LPS3400-T1E



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



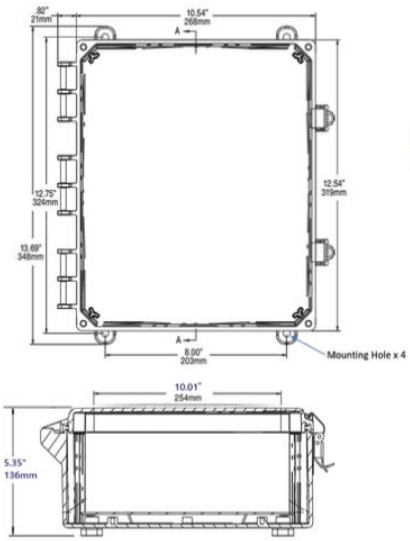
Pole Mount View



ACR0001
Single Receptacle Outlet
Power Strip Module

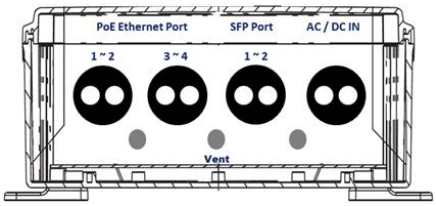


Enclosure Drawings & Interfaces



Interfaces

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

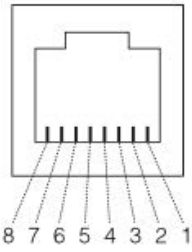


To Use Conduit Connectors, the diameter of the holes is 1.0 inch.

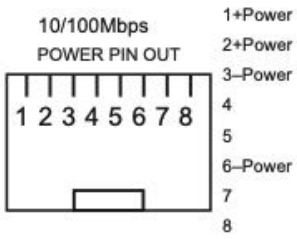


Internal Hotel Space: 10"x5"x4" (LxWxH) for Wiring Storage

Electrical Pin Out Diagram



PD and PSE Eight-Pin RJ45 Modular Jack



Package Contents

1. LinkPower LPS3400-T1E 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)

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