InscapeData

Professional Series
LPS1800-T1P Series

12-Port Fast Ethernet Outdoor Switch with 8 PoE Ports and 2 Combo SFP/RJ45 Uplink Ports



IEEE 802.3at PoE+, 30W

300W Total System Power

Optional Single AC Receptacle Outlet

IP68

The LinkPower™ LPS1800-T1E Outdoor Fast Ethernet PoE Switch Series is an 8-Port 10/100Mbps IEEE 802.3af and IEEE 802.3at PoE (Power over Ethernet) network switch with 2 Combo Gigabit Fiber/Ethernet uplink ports, available in two models: LPS1800AF-T1P, with a total system power of 200W, and LPS1800AT-T1P, with a total system power of 300W.

The series delivers power and data over a single cable and features dual power inputs (120–240VAC and 48VDC) and a rugged IP66/IP68-rated enclosure (IP66 latch / IP68 sealed) for reliable operation in harsh outdoor environments.

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.

LPS1800AF-T1E	**30W per Port / 200W Total**	Outdoor 10/100Mbps 8-Port 802.3af/at PoE Switch with 2 Combo Gigabit SFP/RJ45 Uplink Ports, Up to 30W, 200W Total System Power
LPS1800AT-T1E	**30W per Port / 300W Total**	Outdoor 10/100Mbps 8-Port 802.3af/at PoE Switch with 2 Combo Gigabit SFP/RJ45 Uplink Ports, Up to 30W, 300W Total System Power

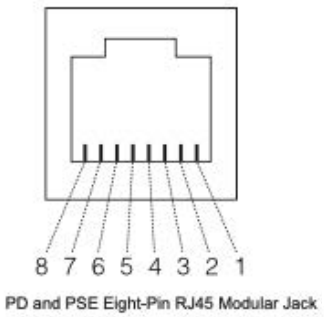
Key Product Features

- 8x 10/100Mbps RJ45 PoE ports supporting IEEE 802.3af/at (up to 30W per port depending on model)
- 2x 2 Combo Gigabit Fiber/Ethernet uplink portsr uplink ports for high-bandwidth, long-distance transmission
- Supports IEEE 802.3af/at PoE to power compatible devices (IP cameras, APs, etc.)
- Up to 30W per port (802.3at) / 15.4W (802.3af)
- 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
- 8.8Gbps non-blocking bandwidth, 4K 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

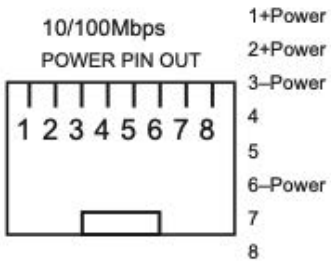
Technical Specifications

Product Model	LPS1800AF-T1E / LPS1800AT-T1E
Product Name	Outdoor Fast Ethernet Managed 8-Port 802.3af/at PoE Switch with 2 Combo Gigabit SFP/RJ45 Uplink Ports
Connector	RJ45 Port: 8x10/100Base-T(X) self-detect, 2 Uplink10/100/1000Base-T(X) & SFP combo port Fiber Port: 2x100/1000Base SFP ports
Switching Performance	Bandwidth: 8.8G (Non-blocking), Priority Queue: 4 Packet Buffer Memory: 1Mbit MAC Address Table Size: 4K Switch Processing Scheme: Store-and-Forward
Network Medium	10BASE-T: Cat3/4/5 UTP (<100m) 100BASE-TX: Cat5 or more UTP (<100m) Single mode (9/125um) fiber transmission, the transmission distance can be up to 25km (default dual fiber, can be customized single fiber)
Performance Specifications	MTBF: 300,000 hours Database: Telcordia (Bellcore), GB
Protocols and 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 IEEE 802.1Q: VLAN and GVRP protocols
LEDs Status	PWR, FAULT, 10/100, MSTR/HEAD, CPLR/TAIL, PoE
PoE & Power Supply	Input voltage: 120V ~ 240V AC Output voltage: 48V DC LPS1800AF-T1E delivers up to 30W and is limited to 200W for a total of 8 PoE ports LPS1800AT-T1E delivers up to 30W and is limited to 300W for a total of 8 PoE ports Support OCP (Over-Current Protection) and electronic protection Connection: 3-pin pluggable connecting terminal Power Pin Assignment: 1/2+, 3/6-
Dimensions/ Weight	Enclosure: IP68 protection grade, shell Dimension (LxWxH): 12x10x4 inch, 304.8 x 250.4 x 101.6mm Weight: 9LB, 4KG (Approximate) Installation Method: Wall mount (Standard Accessory) / Mast mount (Optional Accessory)
Working Environment	Operating Temperature: -30°C ~ +70°C
Industrial Standard	EMI: FCC Part 15 Subpart B Class A, EN 55022 Class A EMS: EN 61000-4-2 (ESD) Level 3, EN 61000-4-3 (RS) Level 3, EN 61000-4-4 (EFT) Level 3, EN 61000-4-5 (Surge) Level 3, EN 61000-4-6 (CS) Level 3, EN 61000-4-8 Traffic Control: NEMATS-2 Mechanical Project: IEC60068-2-6, IEC60068-2-27, IEC60068-2-32 Industrial: IEC 61000-6-2
Safety	CE Mark, Commercial CE/LVD EN60950, RoHS, UL60591-1, UL 94 V-2, UL F1
Warranty	3 year warranty

Electrical Pin Out Diagram

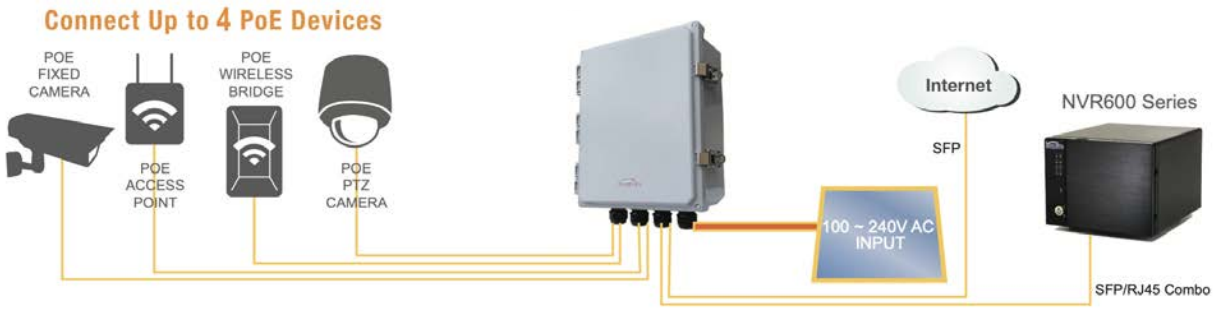


PD and PSE Eight-Pin RJ45 Modular Jack



System Configuration

LinkPower™ LPS1800-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

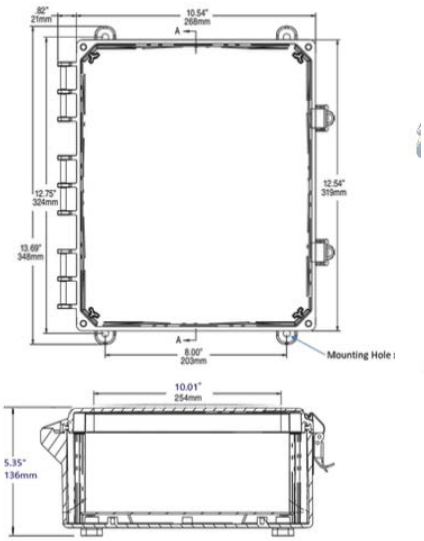
MMK0001-S
Mast Mounting Kit
(Pole Diameter from 2" to 4.5")



ACR0001
Single Receptacle Outlet
Power Strip Module

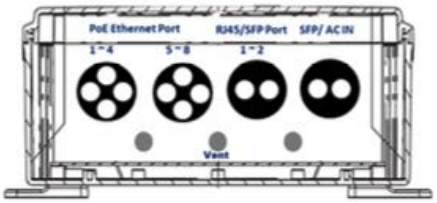


Enclosure Drawings & Interfaces



Interfaces

1. Weatherproof Power & Fiber Optics Cable Connector
2. Weatherproof PoE Cable Connector
3. 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

Package Contents

1. LinkPower LPS1800-T1E Series
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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Revision 1.0

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