Professional Series
LPS840-T1P

4-Port Gigabit Outdoor PoE Switch with 2 Gigabit RJ45 Uplink Ports

| IEEE 802.3at PoE+, 30W | Full Gigabit | Overload Protection | IP68 |

The LinkPower™ LPS840-T1P Outdoor PoE Switch Series features a 6-port Gigabit unmanaged network switch with IEEE 802.3af/at PoE (Power over Ethernet) support, including 4 PoE ports and 2 Gigabit RJ45 uplink ports. Designed for demanding outdoor deployments, it is an industry-first weatherproof industrial switch that delivers both power and data over a single Ethernet cable, all housed within an IP67-rated enclosure for reliable protection in harsh environments.

The LPS840-T1P Gigabit PoE Series is available in the following four sub-models:

Product Model	PoE Output	Model Description
LPS840AF-T1P	30W per Port / 62W Total	Outdoor 10/100/1000Mbps 6-Port 802.3af/at PoE Switch with 2 RJ45 Gigabit Uplink Ports, Up to 30W and an Average of 15.4W per PoE Port, Not to Exceed 62W Total
LPS840AT-T1P	30W per Port / 120W Total	Outdoor 10/100/1000Mbps 6-Port 802.3af/at PoE Switch with 2 RJ45 Gigabit Uplink Ports, Up to 30W per PoE Port

The LPS840-T1P Gigabit PoE Series is designed for security and commercial applications such as video surveillance, wireless mesh, and outdoor Wi-Fi deployments. It supports powered devices including IP cameras, wireless access points, and industrial IP telephony systems.

Built for harsh outdoor environments, it features an operating temperature range of -30°C to +70°C and integrated 6KV Ethernet surge protection for reliable, uninterrupted PoE performance.

Key Product Features

- IP66 (latch) / IP68 (screw-down) weatherproof enclosure
- Operating temperature: -22°F to +158°F (-30°C to +70°C)
- IEEE 802.3af/at Power over Ethernet (PoE) support
- Up to 30W (802.3at) / 15.4W (802.3af) per PoE port (48V DC)
- 10/100/1000Mbps Gigabit PoE ports with auto-negotiation & auto-MDIX
- Integrated industrial 3KV Ethernet surge protection
- MTBF: 190,000 hours (~21 years)

- Full wire-speed, non-blocking switching performance
- IEEE 802.3x flow control (full-duplex) & backpressure (half-duplex)
- Jumbo frame support (up to 10K bytes)
- 1Mbit frame buffer memory & 8K MAC address table
- Link aggregation (IEEE 802.3ad) & failover support
- Automatic address learning & aging (integrated lookup engine)

Technical Specifications

Product Model	LPS840AF-T1	LPS840AT-T1
Product Name	Outdoor Gigabit 6-Port 802.3af/at PoE Switch with 2 RJ45 Uplink Ports	Outdoor Gigabit 6-Port 802.3af/at+ PoE Switch with 2 RJ45 Uplink Ports
Connector	PoE Port: 4x10/100/1000BaseT(X) self-detect	
	RJ45 Uplink Port: 2x10/100/1000BaseT(X) self-detect Uplink port	
Forwarding Mode	Store-and-forward architecture, 192K forwarding memory	
Network Medium	10BASE-T: Cat3/ 4/ 5 UTP (≤100m)	
	100BASE-TX: Cat5 or more UTP (≤100m)	
	1000BASE-TX: Cat5 or more UTP (<=100m)	
Performance Specifications	Bandwidth: 8.8Gbps (non-blocking)	
	Network Latency (100 to 100M bps): Maximum delay less than 20µs	
	Packet Buffer Memory: 96KB	
	Integrated Industrial 4KV Ethernet surge protection	
	MTBF (Mean time between failures): 190,000 hours (about 21 years)	
	Address Database Size: 1,000	
Protocols and Standards	IEEE 802.3; IEEE 802.3u; IEEE 802.3ab;	
	IEEE 802.3x Flow Control;	
	IEEE 802.1af DTE Power via MDI	
	IEEE 802.3af/ IEEE 802.3at	
LEDs Status	System: Power Every Port: connection status, PoE working status	
Power Supply	Input voltage: 120V ~ 240V AC	
	Output voltage: 48V DC	
	IEEE802.3af standard, each port power is 15.4W, total power is 65W for 4 ports	
	IEEE802.3at PoE+ standard, each port power is 30W, total power is 120W for 4 ports	
	Support OCP (Over-Current Protection) and electronic protection	
	Connection: 3-pin pluggable connecting terminal block	
Dimensions/ Weight	**Enclosure: IP66 by Latch &** IP68 by screws on top cover, shell Dimension (LxWxH): 10x8x2 inch, 254.0 x 203.2 x 50.8mm	
	Weight: 5LB, 3.0KG	
	Installation Method: Wall mount / Mast mount	
Working Environment	Operating Temperature: -30℃ ~ 70℃	
	Storage Temperature: -20°C ~ 75°C	
Radition	FCC Part 15 Class B	
	CE Mark, Commervial	
	VCCI Class B	
	EN 55022 (CISPR 22), Class B	
Industrial Standard & Safety	CE Mark ,commercial CE/LVD EN60950, RoHS, UL60591-1	
Warranty	3 years	

System Configuration

LinkPower™ LPS840-T1P

Accessories

Standard Accessories

PFCK0001-3
Power & Fiber Connector Kit

WMK0001
Wall Mounting Kit

ECK0001-4
Ethernet Connector Kit

APCK0001
AC Power Cable Kit

Optional Accessories

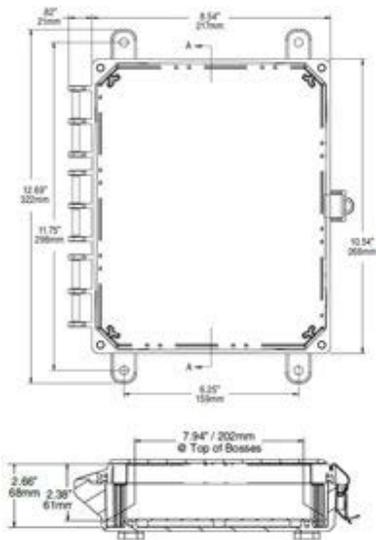MMK0001-S
Mast Mounting Kit
(Pole Diameter from 2" to 4.5")

Pole Mount View

Electrical Pin Out Diagram

PD and PSE Eight-Pin RJ45 Modular Jack

10/100/1000Mbps
POWER PIN OUT

1 2 3 4 5 6 7 8

1+Power
2+Power
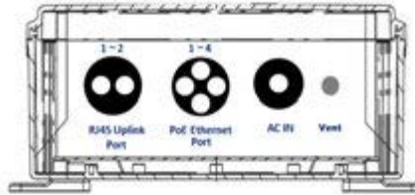3–Power
4
5
6–Power
7
8
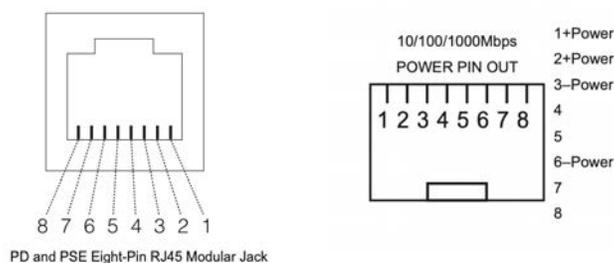
Enclosure Drawings & Interfaces

Interfaces
1. Weatherproof AC Power Connector,
   Hole Diameter: 20mm
2. Weatherproof PoE & Uplink Connectorr,
   Hole Diameter: 25mm
3. Vent Plug

To Use Conduit Connectors,
Please Refer the Hole Diameter
Information Above.

Internal Hotel Space:
8"x3.125"x2" (LxWxH) for
Wiring Storage

Package Contents

1. LPS840-T1P
2. WM0001 Wall Mount Kit (1)
3. MMK0001 Pole Mount Kit (1)(Optional)

4. AC Power Cable with one 3- PIN AC Power Connector (1)
5. User Manual (1)
6. Warranty Sheet (1)