Professional Series
LPS2400-T1P

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

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

The LinkPower™ LPS2400-T1P Outdoor PoE Switch is a 4-port Gigabit unmanaged IEEE 802.3af/at PoE switch with 4× PoE ports and 2× SFP uplinks, delivering power and data over a single cable for outdoor deployments. It features dual power inputs (120–240VAC and 48VDC) and a rugged IP66/IP68-rated enclosure (IP66 latch / IP68 sealed) for reliable operation in harsh environments.

With surge protection and a wide temperature range, it's ideal for video surveillance, wireless backhaul, and outdoor networking. The LPS2400-T1P is available in two sub-models:

Product Model	PoE Output	Model Description
LPS2400AF-T1P	30W per Port / 62W Total	Outdoor Unmanaged 10/100/1000Mbps 4-Port 802.3af/at PoE Switch with 2x SFP Fiber 1.25G Uplink Ports, Up to 30W and an Average of 15.4W per PoE Port, Not to Exceed 62W for a Total of 4 Ports
LPS2400AT-T1P	30W per Port / 120W Total	Outdoor Unmanaged 10/100/1000Mbps 4-Port 802.3af/at PoE Switch with 2x SFP Fiber 1.25G Uplink Ports, Up to 30W per PoE Port

The LPS2400-T1P Unmanaged Gigabit PoE Series is designed for industrial and commercial applications such as video surveillance, remote security, wireless mesh, and carrier WiFi. It supports devices like weatherproof IP cameras, wireless access points, and industrial IP telephony.

Built for harsh environments, it features a -30°C to +70°C operating range and 6kV surge protection for reliable, uninterrupted PoE performance.
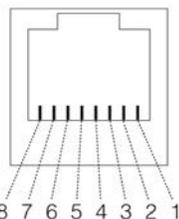
Key Product Features

- Four 10/100/1000M self-sensing RJ45 ports with IEEE 802.3af/at PoE+ support
- Two 1.25G SFP fiber uplink ports for high-bandwidth, long-distance transmission
- Dual power input redundancy (120–240VAC and/or 48VDC)
- Each PoE port delivers up to 15.4W (802.3af) / 30W (802.3at)
- Supports IEEE 802.3af/at compliant powered devices
- 8.8Gbps backplane bandwidth
- 8K MAC address table
- -30°C to +70°C operating temperature at full load
- 6kV Ethernet surge protection for harsh outdoor environments
- Compliant with IEEE 802.3, 802.3u, 802.3z, 802.3ab, 802.3x, 802.1D, 802.1Q, 802.1p, 802.1x, 802.1W, SNMP, and IGMP standards
- Supports IEEE 802.3x full-duplex flow control and back pressure
- All ports support Auto MDI/MDIX

Technical Specifications

Product Model	LPS2400AF-T1P	LPS2400AT-T1P
Product Name	Outdoor Gigabit Unmanaged 4-Port 802.3af/at PoE Switch with 2 SFP Fiber Uplink Ports	Outdoor Gigabit Unmanaged 4-Port 802.3af/at PoE Switch with 2 SFP Fiber Uplink Ports
Connector	RJ45 Port: 4× 10/100/1000Base-T(X) self-detect Fiber Port: 2× 100/1000Base SFP ports	RJ45 Port: 4× 10/100/1000Base-T(X) self-detect Fiber Port: 2× 100/1000Base SFP ports
Switching Performance	Priority Queue: 4 MAC Address Table: 8K Packet Buffer Memory: 1 Mbit Bandwidth: 12G (Non-blocking)	Priority Queue: 4 MAC Address Table: 8K Packet Buffer Memory: 1 Mbit Bandwidth: 12G (Non-blocking)
Network Medium	10BASE-T: Cat3/4/5 UTP (≤100m) 100BASE-TX: Cat5 or more UTP (≤100m) 1000BASE-TX: Cat5 or more UTP (≤150m) Single mode (9/125um) fiber transmission up to 25km	10BASE-T: Cat3/4/5 UTP (≤100m) 100BASE-TX: Cat5 or more UTP (≤100m) 1000BASE-TX: Cat5 or more UTP (≤150m) Single mode (9/125um) fiber transmission up to 25km
Performance Specifications	MTBF: 300,000 hours Database: Telcordia (Bellcore), GB	MTBF: 300,000 hours Database: Telcordia (Bellcore), GB
Protocols and Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3x, IEEE 802.3af, IEEE 802.3at
LEDs Status	PWR, 10/100/1000, PoE, SFP Network	PWR, 10/100/1000, PoE, SFP Network
PoE Spec & Power Supply	AC Input: 120V–240V AC DC Input: 48V Output Voltage: 48V DC IEEE 802.3af: Up to 15.4W per PoE port Total PoE Output Power: 62W for 4 ports Power Pin Assignment: 1/+, 3/6- (Mode A) Support OCP (Over-Current Protection) and electronic protection Connection: 3-pin pluggable terminal	AC Input: 120V–240V AC DC Input: 48V Output Voltage: 48V DC IEEE 802.3at: Up to 30W per PoE port Total PoE Output Power: 120W for 4 ports Power Pin Assignment: 1/+, 3/6- (Mode A) Support OCP (Over-Current Protection) and electronic protection Connection: 3-pin pluggable terminal
Dimensions/Weight	Enclosure: IP68 protection grade Dimensions (L×W×H): 12 × 10 × 4 in (304.8 × 250.4 ×101.6 mm) Weight: 3.6 kg Installation Method: Wall mount / Mast mount	Enclosure: IP68 protection grade Dimensions (L×W×H): 12 × 10 × 4 in (304.8 × 250.4 ×101.6 mm) Weight: 3.6 kg Installation Method: Wall mount / Mast mount
Working Environment	Operating Temperature: -30°C to +70°C	Operating Temperature: -30°C to +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: NEMA TS-2 Rail Traffic: EN50155, EN50121-4 Mechanical: IEC60068-2-6, IEC60068-2-27, IEC60068-2-32 Industrial: IEC 61000-6-2	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: NEMA TS-2 Rail Traffic: EN50155, EN50121-4 Mechanical: IEC60068-2-6, IEC60068-2-27, IEC60068-2-32 Industrial: IEC 61000-6-2
Safety	CE Mark, commercial CE/LVD EN60950, RoHS, UL60951-1	CE Mark, commercial CE/LVD EN60950, RoHS, UL60951-1
Warranty	3 years warranty	3 years warranty

Electrical Pin Out Diagram

8 7 6 5 4 3 2 1

PD and PSE Eight-Pin RJ45 Modular Jack

PSE Pinout

RJ45 Conductor Pin#	802.3af & at Mode A	802.3at Mode B
1	TxRx A+ DC+	TxRx A+
2	TxRx A- DC+	TxRx A-
3	TxRx B+ DC-	TxRx B+
4	TxRx C+	TxRx C+ DC+
5	TxRx C-	TxRx C- DC+
6	TxRx B- DC-	TxRx B-
7	TxRx D+	TxRx D+ DC-
8	TxRx D-	TxRx D- DC-

PD Pinout

RJ45 Conductor Pin#	802.3af & at Mode A	802.3at Mode B
1	TxRx A+ DC+	TxRx A+
2	TxRx A- DC+	TxRx A-
3	TxRx B+ DC-	TxRx B+
4	TxRx C+	TxRx C+ DC+
5	TxRx C-	TxRx C- DC+
6	TxRx B- DC-	TxRx B-
7	TxRx D+	TxRx D+ DC-
8	TxRx D-	TxRx D- DC-

System Configuration

LinkPower™ LPS2400-T1P

Accessories

Standard Accessories

ECK0001
Ethernet Connector Kit

ECK0001-4
Ethernet Connector Kit

WMK0001
Wall Mounting Kit

APCK0001
AC Power Cable Kit

Optional Accessories

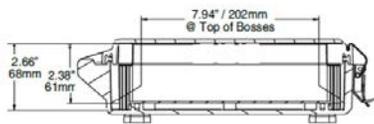**MMK0001-SvB**
Mast Mounting Kit
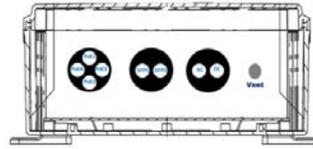(Pole Diameter from 2" to 4.5")

Pole Mount View

Enclosure Drawings & Interfaces

LPS2400-T1 Series Interfaces

1. Weatherproof AC Power Cable Connector
2. Weatherproof PoE & SFP Cable Connector
3. Vent Plug

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

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

Package Contents

1. LinkPower LPS2400-T1P
2. User's Manual
3. Quick Install Guide
4. Warranty Information
5. ECK0001 Ethernet Connector Kit
6. PCC0001 Power Cable Connector Kit
7. Top Cover Screws & Screw Hole Fillers (4)
8. WMK0001 Wall Mount Kit with 4 Flanges