

LinkPower™ LPS840-T2

Outdoor Gigabit PoE Switch Series



APPLICATIONS

- IP Video Surveillances
- Campus Networks
- Wireless Mesh Networks
- Border Security Surveillance
- Municipal Networks
- Hospitality Networks
- Hotel Resort Networks
- WiFi Hotspot Integrations
- VOIP Services
- Traffic Monitoring

The LinkPower™ LPS840-T2 Outdoor PoE Switch Series offers from 6-Port Gigabit Unmanaged IEEE802.3af and IEEE802.3at PoE (Power over Ethernet) Network Switch with 2 RJ45 Gigabit Uplink Ports and is the industry first outdoor weatherproof industrial gigabit Ethernet switch that delivers data and power over one single network cable protected with an IP67 compliant weatherproof enclosure. The LPS840-T2 Gigabit PoE Series has the following two sub-models:

Product Line	Product Model	PoE Output	Model Description
LPS840-T2 Outdoor Gigabit PoE Switch	LPS840AF-T2	30W per Port / 62W Total	Outdoor 10/100/1000Mbps 6-Port 802.3af/at PoE Switch with 2 RJ45 Gigabit Uplink, Up to 30W and an Average of 15.4W per PoE Port, Not to Exceed 62W for a Total of 4 PoE Port
	LPS840AT-T2	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-T2 Gigabit PoE Series is designed for security and commercial applications, e.g., video surveillance, remote security, wireless mesh, outdoor wifi installations, and etc. The terminal equipment, i.e., powered devices, such as weather-proof IP camera, high performance wireless AP and industrial IP telephony. The systems is also offer with powerful anti-electromagnetic interference feature. Additionally, the LPS840-T2 Gigabit PoE Series is designed for harsh outdoor environments with features such as a wide working temperature range from -30°C to +70°C and 3KV Ethernet port surge protection that can ensure the reliability of the uninterrupted PoE operations. The PoE technology conveniently eliminates the need to install networked devices, such as Inscape Data's IP cameras and SB300/BR300, and SB3000/BR3000 wireless products, thereby reducing equipment and installation costs. The LPS800-T2 Gigabit PoE Series offers the following key features:

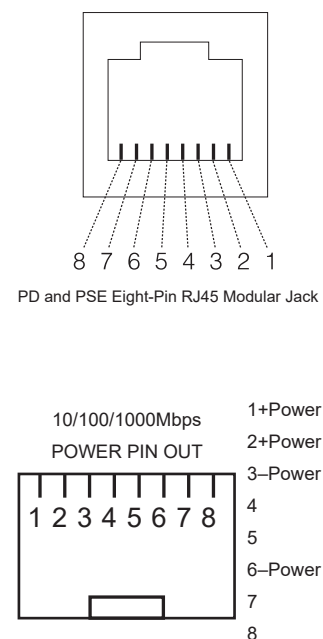
KEY PRODUCT FEATURES

- IP67 Compliant All Weather Enclosure
- MTBF:190,000 hours (about 21 years)
- Integrated Industrial 3KV Ethernet surge protection
- IEEE 802.3af and 802.3at Type 2 Power over Ethernet (PoE) standard
- 10/100/1000Mbps Auto-Negotiation and Auto-MDIX Gigabit Power over Ethernet RJ45 ports
- Supports 802.3af PoE Power maximum 15.4 watts and 802.3at PoE Plus maximum 30Watts and 48V DC for each PoE port
- Full wire-speed non-blocking reception and transmission
- 1MBit frame buffer memory and 8K entries MAC address table
- IEEE802.3x flow control for full-duplex mode; back pressure flow control for half-duplex mode
- Supports integrated address look-up engine, automatic address learning and address aging
- Supports Link Aggregation IEEE 802.3ad and fail over
- Supports Jumbo Frame in all speeds (up to 10K bytes packet frame size)
- Operating Temperature:-22°F to +158°F (-30°C to +70°C) C

TECHNICAL SPECIFICATIONS

Product Model	LPS840AF-T2	LPS840AT-T2
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 ($\leq 100m$)	
	100BASE-TX: Cat5 or more UTP ($\leq 100m$)	
	1000BASE-TX: Cat5 or more UTP ($\leq 100m$)	
Performance Specifications	Bandwidth: 8.8Gbps (non-blocking)	
	Network Latency (100 to 100M bps): Maximum delay less than 20 μ s	
	Packet Buffer Memory: 96KB	
	Address Database Size: 1,000 MTBF: 190,000 hours (about 21 years)	
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	
Dimensions/ Weight	Enclosure: IP67 Weatherproof rating , Enclosure Dimension (LxWxH): 10x8x2 inch, 254.0 x 203.2 x 50.8mm	
	Weight: 6LB, 3.0KG	
	Installation Method: Wall mount / Mast mount	
Working Environment	Operating Temperature: -30 $^{\circ}$ C ~ 70 $^{\circ}$ C	
	Storage Temperature: -20 $^{\circ}$ C ~ 75 $^{\circ}$ C	
Radition	FCC Part 15 Class B	
	CE Mark, Commercial	
	VCCI Class B	
	EN 55022 (CISPR 22), Class B	
Industrial Standard & Safety	CE Mark ,commercial CE/LVD EN60950, RoHS, UL60591-1	
Warranty	3 years	

ELECTRICAL PIN OUT DIAGRAM



SYSTEM CONFIGURATION

LinkPower™ LPS840-T2
Gigabit PoE Switch

Connect Up to 4 PoE Devices



STANDARD ACCESSORIES

WECK0001

Weatherproof Ethernet Connector



RJ45 Plug & Cable not included

WMK0001

Wall Mounting Kit



OPTIONAL ACCESSORIES

MMK0001-L

Mast Mounting Kit

(For Pole Diameter from 2" to 4.5")



PACKAGE CONTENTS

1. LPS840AF-T2 or LPS840AT-T2 (1)
2. WM0001 Wall Mounting Kit (1)
3. MMK0001-L Pole Mount Kit (1) (Optional)
4. WECK0001 Waterproof Ethernet Connector Kit (6)
 - Four (4) WECK0001 for 4 Gigabit PoE Ports
 - Two (2) WECK0001 for 2 Gigabit RJ45 Uplink Ports
5. User Manual (1)
6. Warranty Sheet (1)

SYSTEM DIMENSIONS

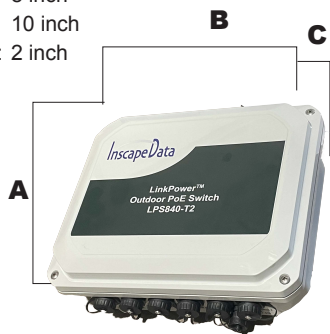
LPS840-T2

Dimensions

A: 8 inch

B: 10 inch

C: 2 inch



PORT LAYOUT

1. Weatherproof PoE Connector
2. Weatherproof RJ45 Connector
3. Power
4. Vent
5. Sys LED



Pole Mounting View



THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY

Product Information Online: <http://www.inscapedata.com/lps800-t2.htm>

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

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