

LinkPower™ LPS10240ATP-T1

Outdoor Unmanaged 2.5 Gb 802.3bt PoE Switch



APPLICATIONS

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

The LinkPower™ LPS10240ATP-T1 is an outdoor unmanaged 2.5Gb 802.3bt (PoE++) switch specifically designed for high-performance networking in industrial environments. It features four 10/100/1000/2500Base-T 802.3bt (PoE++) ports and two 10Gb fiber optic SFP+ uplink ports, delivering up to 90W per PoE port. Additionally, it includes two 1/2.5/10G uplink SFP+ fiber ports for high-speed data transmission. The integrated 400W power supply ensures reliable power distribution for devices such as PTZ security cameras, wireless access points, and industrial sensors.

Built to withstand harsh outdoor conditions, the LPS10240ATP-T1 is housed in a weatherproof enclosure rated IP66/IP68. When securely latched closed, it meets the IP66 standard, protecting against dust and water jets. When enhanced with the four corner cover screws, its rating is upgraded to IP68, ensuring protection against water immersion and extreme weather.

As an all-in-one PoE++ (IEEE802.3bt) networking solution, it eliminates the need for separate enclosures by combining switching and power supply functions in a single unit. With its plug-and-play unmanaged design, it supports quick deployment and stable PoE networking for applications in transportation, energy, mining, construction, and industrial automation.

The LPS10240ATP-T1 offers high-speed connectivity, high-power IEEE802.3bt (PoE++), and excellent environmental protection, making it a cost-effective and reliable outdoor PoE solution for demanding applications.

KEY PRODUCT FEATURES

- 4x 10/100/1000/2500Base-T RJ45 ports and 2x 1/2.5/10G SFP+ fiber ports, enabling flexible, high-bandwidth networking.
- Complies with IEEE 802.3x full-duplex and back pressure half-duplex standards for optimized data flow.
- IEEE802.3bt PoE++ Maximum PoE power per port is 90W, backward compatible with IEEE802.3af/at, automatically detect PoE devices to supply power without damaging non-PoE device
- Features PoE power prioritization, ensuring high-priority ports receive power first when capacity is limited, preventing overloading
- Eliminates the need for external power sources, providing stable and efficient power distribution for multiple high-power PoE devices
- Built with an IP66-rated enclosure when latched and IP68 protection when fully secured with four corner cover screws, ensuring reliable operation in extreme environments.
- Requires no configuration, allowing for quick deployment and stable performance in transportation, energy, mining, and industrial automation applications.
- 60Gbps Non-blocking switching capacity & 44.64Mpps forwarding rate @ 64 byte
- 4M frame buffer memory and 4K 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 Jumbo Frame in all speeds (up to 12K bytes packet frame size)
- Operating Temperature: -22°F to +158°F (-30°C to +70°C)

TECHNICAL SPECIFICATIONS

| Model | LPS10240ATP-T1 |
|----------------------------------|--|
| Interface Characteristics | |
| Fixed Port | 2*1/2.5/10G uplink SFP+ fiber ports (Data) |
| | 4*10/100/1000/2500Base-T PoE ports (Data/ Power) |
| Ethernet Port | Port 1-4 can support 10/100/1000/2500Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption |
| Twisted Pair Transmission | 10BASE-T: Cat3,4,5 UTP (≤100 meters) |
| | 100BASE-TX: Cat5 or later UTP (≤100 meters) |
| | 1000BASE-T: Cat5e or later UTP (≤100 meters) |
| | 2500BASE-T: Cat6a or later UTP (≤100 meters) |
| Optical Fiber Port | 1/10G SFP+ optical fiber port, default no include optical module (optional single-mode/ multi-mode, single fiber/ dual fiber optical module. LC) |
| Optical Cable/ Distance | Multi-mode: 850nm/ 0-550m, 850nm/ 0-300m (10G), Single-mode: 1310nm/ 0-40km, 1550nm/ 0-120km |
| Chip Parameter | |
| Network Protocol | 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 802.3bz 2.5GBase-T, IEEE 802.3ae 10GBase-SR/LR, IEEE 802.3x |
| Forwarding Mode | Store and forward (Full wire speed) |
| Switching Capacity | 60Gbps (non-blocking) |
| Forwarding Rate@64byte | 44.64Mpps |
| MAC | 4K |
| Buffer Memory | 4M |
| Jumbo Frame | 12K |
| LED Indicator | Power: PWR (Green), Network: Link (Yellow), PoE: PoE (Green), Fiber port: L/A (Green) |
| PoE& Power Supply | |
| PoE Port | Port 1-4 |
| Power Supply Pin | 1,2,4,5 (+), 3,6,7,8 (-) |
| Max Power Per Port | 90W, IEEE 802.3bt |
| Power Consumption | Standby<5W, Full load bt<400 |
| Input Voltage/ Interface | 110-240VAC & 48-57VDC, Phoenix terminal |
| Power Supply | 400W |
| Physical Parameter | |



THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY

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

Corporate Headquarters
2012 Hartog Dr, Suite D101, San Jose, CA 95131, U.S.A.
PHONE +1.408.392.9800 **FAX** +1.408.392.9812
EMAIL sales@inscapedata.com

All-in-on-Box Solutions for Outdoor PoE, Wired/Wireless, and IP Video Applications

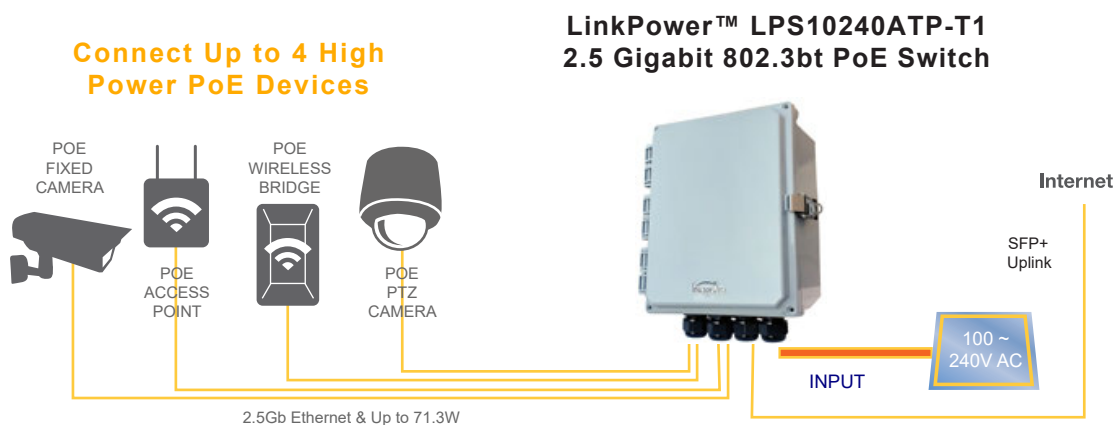
© Copyright 2023, Inscape Data Corporation, All Rights Reserved. LinkPower and Inscape Data are trademarks of Inscape Data Corporation

Disclaimer: While every effort is made to ensure the information given is accurate, Inscape Data Corporation does not accept liability for any errors or mistakes which may arise. All specifications are subject to change without notice.

TECHNICAL SPECIFICATIONS

| | |
|------------------------------------|---|
| Operation Temp/ Humidity | -40~+75°C, 5%~90% RH Non condensing |
| Storage Temp/ Humidity | -40~+85°C, 5%~95% RH Non condensing |
| Dimension (L*W*H) | 10x8x4 in |
| Net /Gross Weight | 0.4kg/ 0.5kg |
| Installation | Wall mount included / Pole mount kit (optional) |
| Certification& Warranty | |
| Lightning Protection | IEC61000-4-3 (RS):10V/m (80~1000MHz) |
| | FCC Part 15/CISPR22 (EN55022): Class A |
| | IEC61000-6-2 (Common Industrial Standard) |
| | IEC61000-4-9 (Pulsed magnet field): 1000A/m |
| | IEC61000-4-10 (Damped oscillation): 30A/m 1MHz |
| | IEC61000-4-12/18 (Shockwave): CM2.5kV, DM1kV |
| | Protection level: IP40, Lightning protection: 6KV 8/20us |
| | IEC61000-4-4(EFT): Power cable: ±4kV, data cable: ±2kV |
| | IEC61000-4-16 (Common-mode transmission): 30V, 300V, 1s |
| | IEC61000-4-2 (ESD): ±8kV contact discharge, ±15kV air discharge |
| Mechanical Properties | IEC61000-4-6 (Radio frequency transmission): 10V(150kHz~80MHz) |
| | IEC61000-4-8 (Power frequency magnetic field): 100A/m, 1000A/m, 1s-3s |
| Certification | IEC61000-4-5 (Surge): Power cable: CM±4kV/ DM±2kV, data cable: ±4kV |
| | IEC60068-2-6 (Anti Vibration), IEC60068-2-27 (Anti Shock), |
| Warranty | IEC60068-2-32 (Free Fall) |
| | CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class A, RoHS |
| Warranty | 3 years |

SYSTEM CONFIGURATION



THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY

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

Corporate Headquarters
2012 Hartog Dr, Suite D101, San Jose, CA 95131, U.S.A.
PHONE +1.408.392.9800 **FAX** +1.408.392.9812
EMAIL sales@inscapedata.com

All-in-Box Solutions for Outdoor PoE, Wired/Wireless, and IP Video Applications

© Copyright 2023, Inscape Data Corporation, All Rights Reserved. LinkPower and Inscape Data are trademarks of Inscape Data Corporation

Disclaimer: While every effort is made to ensure the information given is accurate, Inscape Data Corporation does not accept liability for any errors or mistakes which may arise. All specifications are subject to change without notice.

STANDARD ACCESSORIES

PFCK0001-2 2-Hole Cable Gland
Ethernet & SFP Connector KitAPCK0001
AC Power Cable KitWMK0001
Wall Mounting Kit

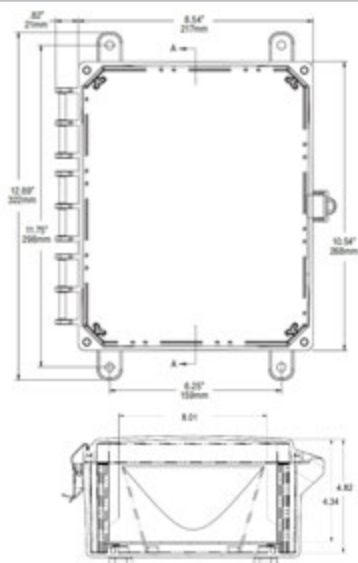
OPTIONAL ACCESSORIES

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

Pole Mount View

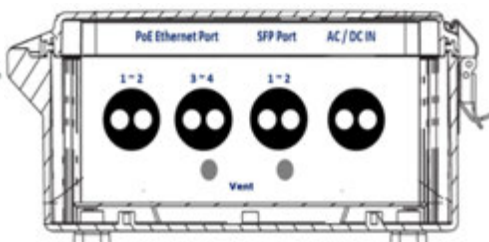
APC1024 and APC1048
Active (802.3af/at) to Passive PoE
Converter

ENCLOSURE DRAWINGS & INTERFACES



Interfaces

1. Weatherproof PoE & Uplink Connectors, Hole Diameter: 25mm / 1 Inch
2. Vent Plug



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



Hotel Space:
8.27"x3.54"x3.23" (LxWxH)
for Wiring or Junction Box
Storage

PACKAGE CONTENTS

1. LPS10240ATP-T1 (1)
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)



THE LEADING
OUTDOOR NETWORK
APPLIANCE COMPANY

Product Information Online: <http://www.inscapedata.com>

Corporate Headquarters
2012 Hartog Dr Suite D101, San Jose, CA 95131, U.S.A.
PHONE +1.408.392.9800 FAX +1.408.392.9812
EMAIL sales@inscapedata.com

All-in-on-Box Solutions for Outdoor PoE, Wired/Wireless, and IP Video Applications

© Copyright 2025, Inscape Data Corporation, All Rights Reserved. LinkPower and Inscape Data are trademarks of Inscape Data Corporation, Revision 1.9

Disclaimer: While every effort is made to ensure the information given is accurate, Inscape Data Corporation does not accept liability for any errors or mistakes which may arise. All specifications are subject to change without notice.