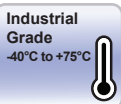
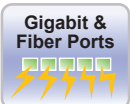


LinkPower™ LPS3800ATM

Industrial L2+ Managed 14-Port Gigabit PoE Network Switch with 4 Gb Fiber & 2 RJ45 Uplink Ports



APPLICATIONS

- *Smart City*
- *IP Video Surveillances*
- *Campus Networks*
- *Wireless Mesh Networks*
- *Border Security Surveillance*
- *Municipal Networks*
- *Energy & Refineries*
- *Hospitality Networks*
- *Hotel Resort Networks*
- *Hotspot Integrations*
- *VOIP Services*
- *Traffic Monitoring*

Inscape Data's LinkPower™ LPS3800ATM is an Industrial 14-port Layer 2+ Full Managed PoE (Power over Ethernet) Switch, and it offers 8-Port Gigabit PoE and 2 Gigabit RJ45 and 4 SFP Uplink Ports with dual power input redundancy, i.e., 48~57V DC. LPS3800ATM offers the rich L2+ management features you need to manage your critical PoE applications, reduce your overall installation cost, and optimizes your network bandwidth to deliver information and applications more efficiently and reliably. It provides the ideal combination of manageability and PoE capability for the next-level commercial network and enterprise applications, all of which demand concentrated network bandwidth and high PoE power capability. With the Gigabit transmission, you will be increasing bandwidth for higher performance and quickly transferring large amounts of triple-play services across networks.

KEY SYSTEM FEATURES

- 8 Port 10/100/1000Base-T PoE ports, 2 Gigabit RJ45 ports, 4 2.5Gb SFP Industrial L2+ Managed POE Switch.
- L2+ full management features for better manageability, security, QoS, and network performance.
- Support L2+ Switching features including 802.1Q VLAN, Mirroring, Port isolation, IGMP Snooping, DHCP Snooping, LLDP, POE management, IP Source Guard, ARP inspection, ACLs, etc.
- Support spanning tree STP(802.1D) and RSTP(802.1W).
- Jumbo frames support up to 9.6K kilobytes.
- Support enhanced management through WEB, CLI, TELNET, SSH, SNMP.
- Support cable diagnosis.
- Supports both IEEE 802.3af/at standards and PoE configuration functions.
- G.8032, support <50ms industrial quick ring protection.
- 48 VDC (46 ~57VDC), dual redundancy power input design for non-stop working, 6-pin 5.08mm-gap plug-in terminal.

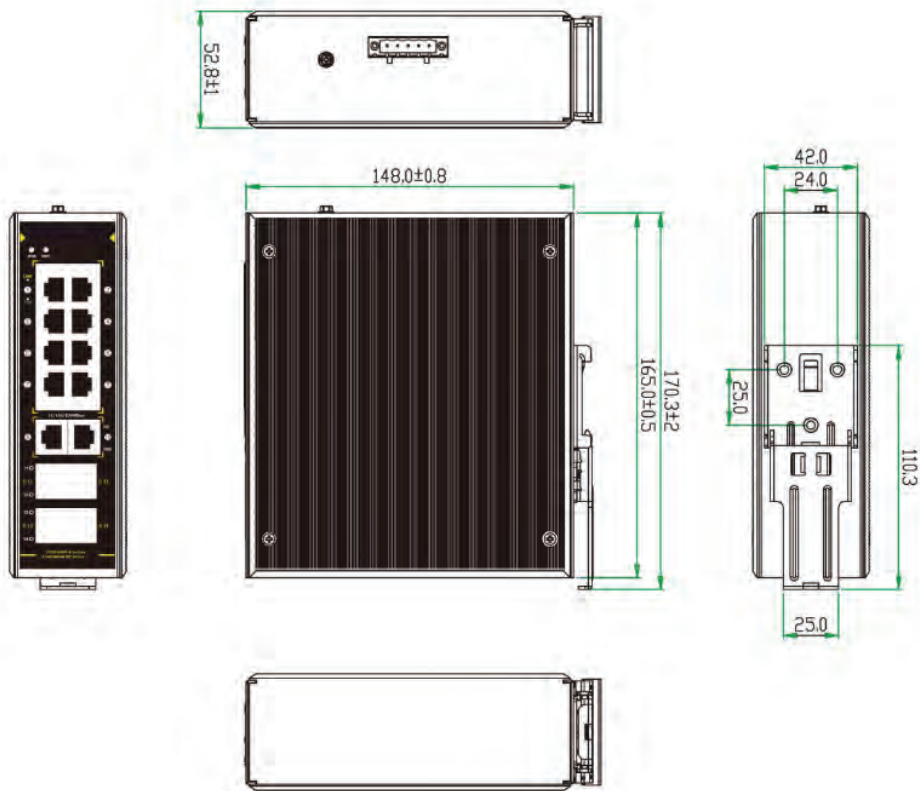
Model	LPS3800ATM
Interface Characteristics	
Fixed Port	8*10/100/1000Base-T PoE ports (Data/Power) 2*10/100/1000Base-T uplink RJ45 ports (Data) 4*100/1000Base-X uplink SFP slot ports (Data) 1 * RS232 console port (115200, N,8,1) 2 set of V+, V- redundant DC power interface (6 Pin Phoenix terminal) Power-off alarm switch (FAULT)
Ethernet Port	10/100/1000Base-T,Auto-sensing,Full/half duplex MDI/MDI-X self-adaption
SFP Slot Port	Gigabit SFP optical fiber interface, default matching optical modules (optional order single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Chip Parameter	
Network Management Type	L2+
Network Protocol	IEEE802.3 10BASE-T; IEEE802.3i 10Base-T; IEEE802.3u 100Base-TX/FX; IEEE802.3ab 1000Base-TX IEEE802.3z 1000Base-X IEEE802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	256Gbps
Forwarding Rate@64byte	20.83Mpps
MAC	8K
Buffer Memory	6M
Jumbo Frame	9.6K
PoE & Power Supply	

PoE Port	Port 1 to port 8
Power Supply Pin	Default: 1/2 (+), 3/6 (-)
Max Power Per Port	30W; IEEE802.3af/at
Total PWR / Input Voltage	140W (48VDC)
Power Consumption	Standby:<10W;Full load:<240W
Working Voltage	48-57VDC; 6 Pin industrial Phoenix terminal, support anti-reverse protection.
Power Supply	No, optional 48V/120W or 48V/240W industrial power supply
LED Indicator	Power/System: SYS (green); Network: Link (yellow); SFP: L/F (green); PoE: PoE (green); Speed:100/1000 (green)
Physical Parameter	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-TX: Cat5 or later UTP (≤100 meter) 1000BASE-T: Cat5e or later UTP (≤100 meter)
Optical Cable	Multi-mode: 850nm 0 ~ 550M, single mode: 1310nm 0 ~ 40KM, 1550nm 0 ~ 120KM.
Reset Switch	Yes, One-button factory reset
Operation TEMP / Humidity	-40~+80°C;5%~95% RH Non condensing
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing
Dimension (L*W*H)	165*148*54mm
Net /Gross Weight	<1.1kg / <1.5kg
Installation	Desktop, DIN rail
Certification & Warranty	

<p>Lightning protection / protection level</p>	<p>Lightning protection: 6KV 8/20us; Protection level: IP40</p> <p>IEC61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge</p> <p>IEC61000-4-3(RS):10V/m(80~1000MHz)</p> <p>IEC61000-4-4(EFT): power cable: ±4kV; data cable:±2kV</p> <p>IEC61000-4-5(Surge): power cable:CM±4kV/DM±2kV; data cable: ±4kV</p> <p>IEC61000-4-6(radio frequency transmission):10V(150kHz~80MHz)</p> <p>IEC61000-4-8(power frequency magnetic field):100A/m;1000A/m ,1s to 3s</p>
	<p>IEC61000-4-9(pulsed magnet field):1000A/m</p> <p>IEC61000-4-10(damped oscillation):30A/m 1MHz</p> <p>IEC61000-4-12/18(shockwave):CM 2.5kV, DM 1kV</p> <p>IEC61000-4-16(common-mode transmission):30V; 300V,1s</p> <p>FCC Part 15/CISPR22(EN55022): Class A</p> <p>IEC61000-6-2(Common Industrial Standard)</p>
<p>Mechanical Properties</p>	<p>IEC60068-2-6 (anti vibration)</p> <p>IEC60068-2-27 (anti shock)</p> <p>IEC60068-2-32 (free fall)</p>
<p>Certification</p>	<p>CCC; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;</p>
<p>Warranty</p>	<p>3 years</p>
<p>Network Management Features</p>	
<p>Interface</p>	<p>IEEE802.3X (Full-duplex)</p> <p>Port temperature protection setting</p> <p>Port green Ethernet Energy-saving setting</p> <p>Broadcast storm control based on port speed</p> <p>The speed limit of the message flow in the access port.</p> <p>The minimum particle size is 64Kbps.</p>

Layer 3 Features	L2+ network management, IPV4/IPV6 management L3 soft routing forwarding, Static route, Default route @ 128 pcs, APR @ 1024 pcs
VLAN	4K VLAN based on port, IEEE802.1q VLAN based on the protocol VLAN based on MAC Voice VLAN, QinQ configuration Port configuration of Access, Trunk, Hybrid
Port Aggregation	IEEE 802.3ad, LACP, Static aggregation Max 7 aggregation groups and 8 ports per group.
Spanning Tree	STP (IEEE802.1d), RSTP (IEEE802.1w), MSTP (IEEE802.1s)
Industrial Ring	G.8032 (ERPS), Recovery time less than 20ms
Network Protocol	250 Ring at most, Max 1024 devices per ring.
Multicast	MLD Snooping v1/v2, Multicast VLAN IGMP Snooping v1/v2, Max 1024 multicast groups, Fast log out
Port Mirroring	Bidirectional data mirroring based on port
QoS	Flow-based Rate Limiting Flow-based Packet Filtering 8*Output queues of each port 802.1p/DSCP priority mapping ToS, Diff-Serv QoS, Priority Mark/Remark Queue Scheduling Algorithm (SP, WRR, SP+WRR)
ACL	Port-based Issuing ACL, ACL based on port and VLAN L2 to L4 packet filtering, matching first 80 bytes message. Provide ACL based on MAC, Destination MAC address, IP Source, Destination IP, IP Protocol Type, TCP/UDP Port, TCP/UDP Port Range, and VLAN, etc.

<p>Security</p>	<p>IP-MAC-VLAN-Port binding ARP inspection, Anti-DoS attack AAA & RADIUS, MAC learning limit Mac black holes, IP source protection IEEE802.1X & MAC address authentication Broadcast storm control, Backup for host datum SSH 2.0, SSL, Port isolation, ARP message speed limit User hierarchical management and password protection</p>
<p>DHCP</p>	<p>DHCP Client, DHCP Snooping, DHCP Server, DHCP Relay</p>
<p>Management</p>	<p>One-key recovery Cable Diagnose, LLDP Web Management (HTTPS)</p>
	<p>NTP, System work log, ICMP, Ping Test CPU instant utilization status view Console/AUX Modem/Telnet/SSH2.0 CLI Download & Management on FTP, TFTP, Xmodem, SFTP, SNMP V1/V2C/V3 ONV NMS - smart network management system platform (LLDP+SNMP)</p>
<p>System</p>	<p>Category 5 Ethernet network cable Web browser: Mozilla Firefox 2.5 or higher, Google browser chrome V42 or higher, Microsoft Internet Explorer10 or later; TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in a network</p>



PACKAGE CONTENTS

1. LinkPower LPS3800ATM Gigabit PoE Switch
2. User's Manual
3. Quick Install Guide
4. Warranty Information



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

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