

10 Ports 10/100M SMART Industrial POE Switch with 7 10/100M RJ45 POE& 3x 1G SFP+ 1x RS485+ 1x RS232

SMART Industrial POE switch Fiber Switch LIMPOF10-3SFP-RS24-x is a 7x RJ45 port POE (10/100M), 2x SFP ports (1G), 1Ch RS232 & RS485 Managed Industrial POE Switch with 1x console port. It consumes low power consumption, supports wide operating temperature (-40 to +85°C). Its casing is IP40 rated and meet EMC industrial level 4 requirements. These switches are specially designed for harsh industrial environments. It is suitable for wind power, subway PIS, power SCADA, sewage treatment, intelligent transportation systems applications.



FEATURES

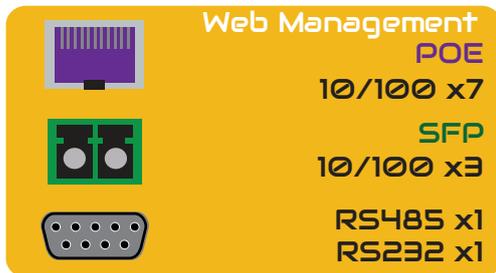
- 7x 10/100M RJ45 POE + 3x 1G SFP
- 1x RS485 + 1x RS232 data port
- Supply power to wireless access points and surveillance cameras over Cat-5 cabling
- Supports PoE power up to 15.4W (IEEE802.3af) or 25.5W (IEEE802.3at) for each PoE port
- Supports PoE power up to 260W (IEEE802.3af) or 440W (IEEE802.3at) for all PoE ports
- Supports IEEE 802.3x flow control for Full-duplex Mode and backpressure for Half-duplex Mode
- 8K entry MAC address table of the PoE Switch with auto-learning and auto-aging
- LED indicators for monitoring power, link, activity and speed
- Internal power adapter supply

SPECIFICATIONS

10 Ports 10/100M SMART Industrial POE Switch with 7 10/100M RJ45 POE& 3x 1G SFP+ 1x RS485+ 1x RS232	
Number of POE ports (10/100BaseT)	7
Number of 1G SFP ports	3
Number of control data ports	1x RS485 & 1x RS232
Power Pin Assignment	1/2and 3/6 , or alternatively over 4/5(+) and 7/8 (-)
Performance Specifications	
Transmission Method	Store-And-Forward
Bandwidths	64Gps
Mac	8K
Buffer memory	1M
Network Protocol and Standards	IEEE 802.3i
	IEEE 802.3u
	IEEE 802.3x Flow Control
POE standard	IEEE802.3af or IEEE802.3at
POE power	15.4W per POE port (IEEE802.3af)
	25.4W per POE port (IEEE802.3at)
Environmental	
Operating temperature	-20 ~ 55°C
Storage temperature	-40 ~ 85°C
Operating humidity	5 ~ 95% non condensation
Power supply	DC 48-57V
Power Consumption	Standby<10W, Full load<120W
LED indicators	Power supply, network status, POE status
Physical	
Dimension	165x 148x 54mm
Weight	1kg

Layer 2	
<i>Spanning Tree Protocol (STP)</i>	Standard Spanning Tree 802.1d / Rapid Spanning Tree (RSTP) 802.1w
<i>Aggregation</i>	Link Aggregation Control Protocol (LACP) IEEE802.3ad; up to 10 groups & 8ports per group
<i>VLAN</i>	Support up to 4k VLANs simultaneously (out of 40906 VLAN IDs); Port based VLAN; 802.1Q tag based VLAN
<i>IGMP v1/v2 snooping</i>	IGM limits bandwidth intensive multicast traffic to only the requesters. Support 1024 multicast groups (source-specific multicasting is not supported)
<i>Security</i>	
<i>Secure Shell (SSH) Protocol</i>	SSH secures Telnet traffic in or out the switch, SSH v1 and v2 are supported
<i>Secure Sockets Layer (SSL), HTTPS</i>	SSL encrypts the http traffic, allowing advance secure access to the browser-based management GUI in switch
<i>Port Security</i>	Locks MAC Addresses to ports, and limits the number of learned MAC addresses
<i>DHCP Snooping</i>	Prevent unauthorized configuration and use of IP addresses, while providing support for IP Source Guard and ARP detection
<i>IP Source Guard</i>	Prevents datagram with spoofed addresses from being in the network
<i>ARP Inspection</i>	Prevent ARP spoofing attacks and ARP
<i>Storm Control</i>	Prevents traffic on a LAN from being disrupted by a broadcast, multicast, or unicast storm on a port
<i>ACLs</i>	Support for up to 256 entries; Drop or rate limitation based on source and destination MAC, VLAN ID or IP address, protocol, port, differentiated services code point (DSCP) / IP precedence, TCP/ UDP source and destination ports, 802.1p priority, Ethernet type, Internet Control Message Protocol (ICMP) packets, IGMP packets, TCP flag
<i>Quality of Service</i>	
<i>Hardware</i>	Support 8 hardware queues
<i>Scheduling</i>	8 COS queues per port support strict priority and weighted round-robin (WRR)
<i>Classifications</i>	Port based; 802.1p(PCP) VLAN priority based;
<i>Rate Limiting</i>	Ingress policer; egress shaping and rate control; per VLAN, per port and flow based
<i>Management (Web/ SSL, Telnet/ SSH, ping, Web GUI)</i>	<i>Trivial File Transfer Protocol (TFTP), SNMP, Syslog</i> Built-in switch configuration utility for browser-based device configuration (HTTP/ HTTPS). Supports configuration, system dashboard, maintenance, and monitoring
<i>Port mirroring</i>	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to N-1 (N is Switch's Ports) ports can be mirrored to single destination port. A single session is supported.
<i>Others</i>	Single IP management; HTTP/HTTPS; SSH; RADIUS; DHCP Client; SNMP; cable diagnostics; ping; syslog; Telnet client (SSH secure support)
<i>Green Ethernet</i>	
<i>Green and Energy saving Ethernet (EEE)</i>	Compliant IEEE802.3az Energy Efficient Ethernet Task Force. Automatically turns off power on Gigabit Ethernet RJ-45 port when detecting link down or Idle of client. Active mode is resumed without loss of any packets when the switch detects the link up
<i>Cable length detection</i>	Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter.
<i>General</i>	
<i>Jumbo frames</i>	Frame sizes up to 10KB supported on Gigabit interfaces
<i>Mac table</i>	Up to 8k Mac address
<i>Discovery</i>	
<i>Link Layer Discovery Protocol (LLDP)</i>	Used by network devices for advertising their identities, capabilities, and neighbors on a IEEE 802 local area network, principally wired Ethernet.
<i>Min Requirements</i>	Web browser: Mozilla Firefox version 2.5 or later, Microsoft Internet Explorer version 6 or later; Category 5 Ethernet network cable; TCP/IP, network adapter, and network operating system (such as Microsoft Windows, Linux, or Mac OS X) installed on each computer in network

FUNCTIONAL DIAGRAM



ORDERING INFORMATION

PN	DESCRIPTION
LIMPOF10-3SFP-RS24-x	10 Ports 10/100M SMART Industrial POE Switch with 7 10/100M RJ45 POE& 3x 1G SFP+ 1x RS485+ 1x RS232
x-	F: IEEE802.3af (15.4W per port)
	T: IEEE802.3at (25.5W per port)
PEA-52-130	Power adaptor 220VAC~52VDC: 130W
PEA-52-250	Power adaptor 220VAC~52VDC: 250W