

LPES-2224C

24 10/100TX + 2 1000T/SFP combo with 24 PoE Injector Managed Switch

- Embedded 24 ports PoE inject function
- Provide up to 180W power budget for PoE ports
- SNMP, Telnet, web, and CLI management
- Supports Spanning Tree and RSTP



OVERVIEW

Lantech LPES-2224C PoE switch is a highly integrated managed and PoE power feeding switch to deliver MTU, Transportation, VoIP, Surveillance applications. The 24 PoE interfaces provide flexible configuration options for the network.

Lantech LPES-2224C grounding and fuse design double protect switch from outside statistic electricity and high power input. LPES-2224C unique power and FAN monitoring and PD (power devices, like IP CAM, VoIP etc) power status monitoring provides centralized information for MIS. It also provides various PoE management functions such as power feeding priority, classification, disable / enable etc, which offer easy and

user friendly interface for MIS.

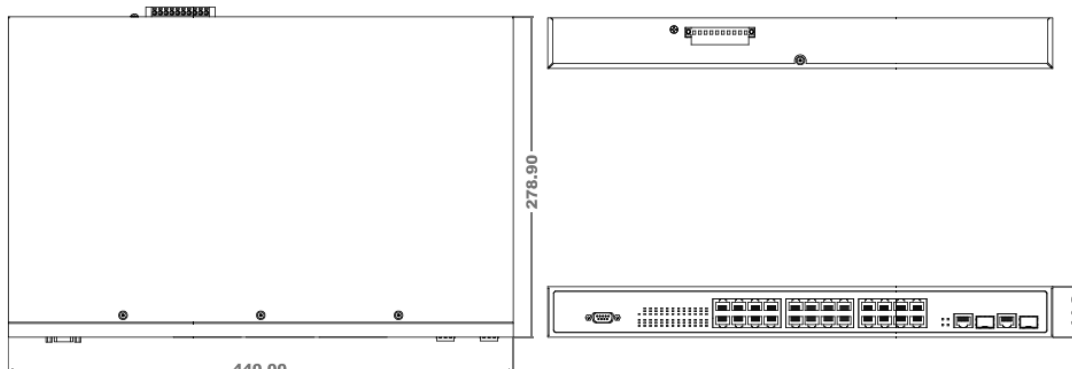
Lantech LPES-2224C supports full SNMP functions including the latest traffic control protocols of VLAN, RSTP, IGMP Query and Snooping and Priority Queuing. The built-in IGMP Query function can eliminate the need of L3 switch in the same network for multimedia application.

Lantech LPES-2224C is the best PoE switch to connect with IP Camera, Setup box, VoIP phone / router, Wireless Equipments for MTU, Transportation or Surveillance applications.

FEATURES & BENEFITS

- Embedded 24 port PoE Injectors compliant with 802.3af up to 180W PoE power feeding
- 24 10/100TX support auto MDI/MDI-X function with 2 Gigabit combo interfaces
- PD parametric information and power testing
- QoS/CoS support
- VLAN tagging (up to 4K)
- 802.3ad LACP
- GVRP (256 groups)
- Port mirroring / Port security
- IGMP Snooping and Query mode
- IGMP multicast groups
- DHCP Client
- 802.1X RADIUS
- SNTP support
- Ingress / Egress packet filtering
- User access authorization
- Login IP source authorization
- SNMP v1,v2
- Remote upgrade support

DIMENSIONS (unit=mm)



SPECIFICATION

Hardware Specification		Port Trunk	
IEEE Standards	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3z Gigabit Fiber IEEE802.3ab Gigabit 1000BASE-T IEEE802.3x Flow Control and Back pressure IEEE802.3ad Port trunk with LACP IEEE802.1d Spanning tree protocol IEEE802.1w Rapid spanning tree protocol IEEE802.1p Class of service IEEE802.1Q VLAN Tagging IEEE 802.1x user authentication IEEE802.3af Power over Ethernet	Support IEEE802.3ad with LACP function. Up to 7 trunk groups and group member up to 4. The trunk port within 24-port 10/100TX and extension module.	
Connectors	10/100TX: 24 x RJ-45 Gigabit Copper: 2 x RJ-45 2 MINI GBIC for MINI GBIC transceiver	Spanning Tree	Support IEEE802.1d spanning tree, IEEE802.1w RSTP
Switch architecture	Store and forward switch architecture. Back-plane up to 8.8Gbps	VLAN	Port based VLAN IEEE802.1Q Tag VLAN VLAN groups up to 256
MAC address	8K MAC address table with Auto learning function	Class of Service	Per system supports high and low queues. The priority service rule: first come first service, all High before Low, WRR for High or low weight.
LED	System Power 10/100TX RJ-45 Port: Link/Active (Green: 1000Mbps/ Orange: 10/100Mbps), Full-duplex/collision MINI GBIC/ Copper: Link/Activity (Green:1000Mbps/ Orange: 10/100Mbps), Full duplex/collision	Port-based Priority	Support 3 settings: "Disable, Low or High priority". When set to "Disable", the income packet will follow QOS policy; Otherwise, the packet will follow port priority setting to "High/Low" queue.
Connector	24-port RJ-45 for 10/100TX RJ-45 Pin assignment and polarity: 1/2:RX signal	IGMP	It supports IGMP snooping for multimedia application and supports 256 groups
RS-232 connector	One RS-232 DB-9 female connector for switch management	Port Security	It supports ingress and egress MAC address filter and static source MAC address lock.
Remote power feeding	End-point insert type and compatible with IEEE802.3af Per port feeding power: 15.4Watts (maximum)	Port Mirror	Global system supports 3 mirroring types: "RX, TX and Both packet". The maximum of port mirror entries is up to 25.
Power	Embedded AC power supply: AC 100~240V, 50/60Hz, 200W	Bandwidth Control	Per port supports bandwidth control. Per level 100Kbps.
Power consumption	20W (maximum /without PD)	802.1x Authentication	Supports IEEE802.1x User -Authentication and can report to RADIUS server. Reject / Accept / Authorize / Disable
Ventilation	1 DC Fans with detect function	DHCP	DHCP client
Operating Temperature	0°C ~45°C (32°F ~113°F)	Packet filter	Broadcast storm filter
Storage Temperature	-40°C to 70°C (-40°F ~158°F)	Port configuration control	Port Disable / Enable. PD detect control (enable/disable), Classification detect control (enable/disable)
Case Dimension	440mm(W) x 280mm(D) x 44mm(H)	Fault status detect	Null: no PD present Overload: current support over 475mA @ DC 48V and over 50 milliseconds DR fail: PD discovery resistor is not in the limited range
EMI	FCC Class A, CE	Mode status	System detects status, it will show I -sample, V-sample and R-detect.
Safety	UL, cUL, CE/EN60950	Parametric information	It will show current PD parameters, it include Discover-resistor detected value, current, voltage, power consumption, classification current and determined class
Warranty	2 years	SNTP	Supports RFC 2030 Simple Network Time Protocol
Software Specification		System log	System Log record up to 1000 entries.
Management	SNMP/ Telnet/ web-browser/ CLI management	Power monitor	Support power supply monitoring function for AC power, DC power, fan status Additional power supply can be installed with POE switch and POE-UPWM.
SNMP MIB	RFC 1157 SNMP, RFC 1213 MIB II, RFC 1643 Ethernet like, RFC 1493 Bridge MIB, RFC 2674 VLAN MIB, private MIB, RFC 1628 UPS MIB, RFC3621 Power Ethernet MIB	Power testing	Support test function to testing power supply.
RFC standard	RFC 2030 SNTP, RFC 2821 SMTP (option), RFC 1215 Trap, RFC 1757 RMON 1	PoE Management	PoE Enable/Disable, Power limit by Classification; Power limit by management, Power feeding priority Detect Legacy Signature
Type of Trap	Cold start, link down, link up, authorization fail, Trap station up to 3. Private trap for power supply device.		
Software Upgrade	TFTP and console firmware upgradeable.		

*Future Release
**Optional

ORDERING INFORMATION

- LPES-2224C.....P/N: 8450-145
24 10/100TX w/24 PoE Injector 10/100TX w/Giga combo SNMP Switch; 0° C to 45°C

OPTIONAL ACCESSORIES

Mini GBIC (SFP)

- | | | | |
|------------|--|------------|--|
| ■ 8330-162 | MINI GBIC 1000SX (LC/0.5km) Transceiver | ■ 8330-188 | LTSFP-1000BX-10KM Transceiver (WDM 1310) |
| ■ 8330-163 | MINI GBIC 1000SX2 (LC/2km) Transceiver | ■ 8330-189 | LTSFP-1000BX-10KM Transceiver (WDM 1550) |
| ■ 8330-165 | MINI GBIC 1000LX (LC/10km) Transceiver | ■ 8330-186 | LTSFP-1000BX-20KM Transceiver (WDM 1310) |
| ■ 8330-166 | MINI GBIC 1000LHX (LC/40km) Transceiver | ■ 8330-187 | LTSFP-1000BX-20KM Transceiver (WDM 1550) |
| ■ 8330-169 | MINI GBIC 1000XD (LC/60km) Transceiver | ■ 8330-180 | LTSFP-1000BX-40KM Transceiver (WDM 1310) |
| ■ 8330-167 | MINI GBIC 1000ZX (LC/80km) Transceiver | ■ 8330-182 | LTSFP-1000BX-40KM Transceiver (WDM 1550) |
| ■ 8330-168 | MINI GBIC 1000T (100m) Transceiver | ■ 8330-181 | LTSFP-1000BX-60KM Transceiver (WDM 1310) |
| ■ 8330-170 | MINI GBIC 1000EZ (120m) Transceiver | ■ 8330-183 | LTSFP-1000BX-60KM Transceiver (WDM 1550) |
| ■ 8330-061 | 100Base LX 30KM, Single-mode, LC Transceiver | ■ 8330-184 | LTSFP-1000BX-80KM Transceiver (WDM 1490) |
| ■ 8330-060 | 100Base FX 2KM, Multi-mode, LC Transceiver | ■ 8330-185 | LTSFP-1000BX-80KM Transceiver (WDM 1550) |

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