

LPGS-2424C

24 10/100/1000T + 4 1000T/100/1000M SFP Combo L2 PoE af/at

Gigabit Managed Ethernet Switch

- Built-in 240/480W power supply for PoE af/at max 30W@port
- Supports IPv4 & IPv6, SSHv2, ACLs
- Support IGMP v3, QoS, RSTP, VLAN, LACP, DHCP
- Per port PoE management
- Support Jumbo frame 9K Bytes



OVERVIEW

Lantech LPGS-2424C is a layer 2 Gigabit PoE switch equipped with 24 10/100/1000Base-T ports featuring 30-watt 802.3at PoE+ and 4 Gigabit TP/SFP combo ports.

LPGS-2424C provides complete functionality and reliable Power over Ethernet network solution with 240/480W total PoE budget for small businesses and enterprises.

LPGS-2424C supports PoE scheduling, power budget allocating, priority functions for operator to control and manage all connected devices over IP PoE network.

With the support of reliable fast ring and chain protocol, recovery time is reduce to less than 50 milliseconds to ensure critical surveillance video uninterrupted.

Advanced features including Multicast IGMP, QoS classifications and rate limit control help service providers to deploy and manage network efficiently in order to deliver quality triple-play service.

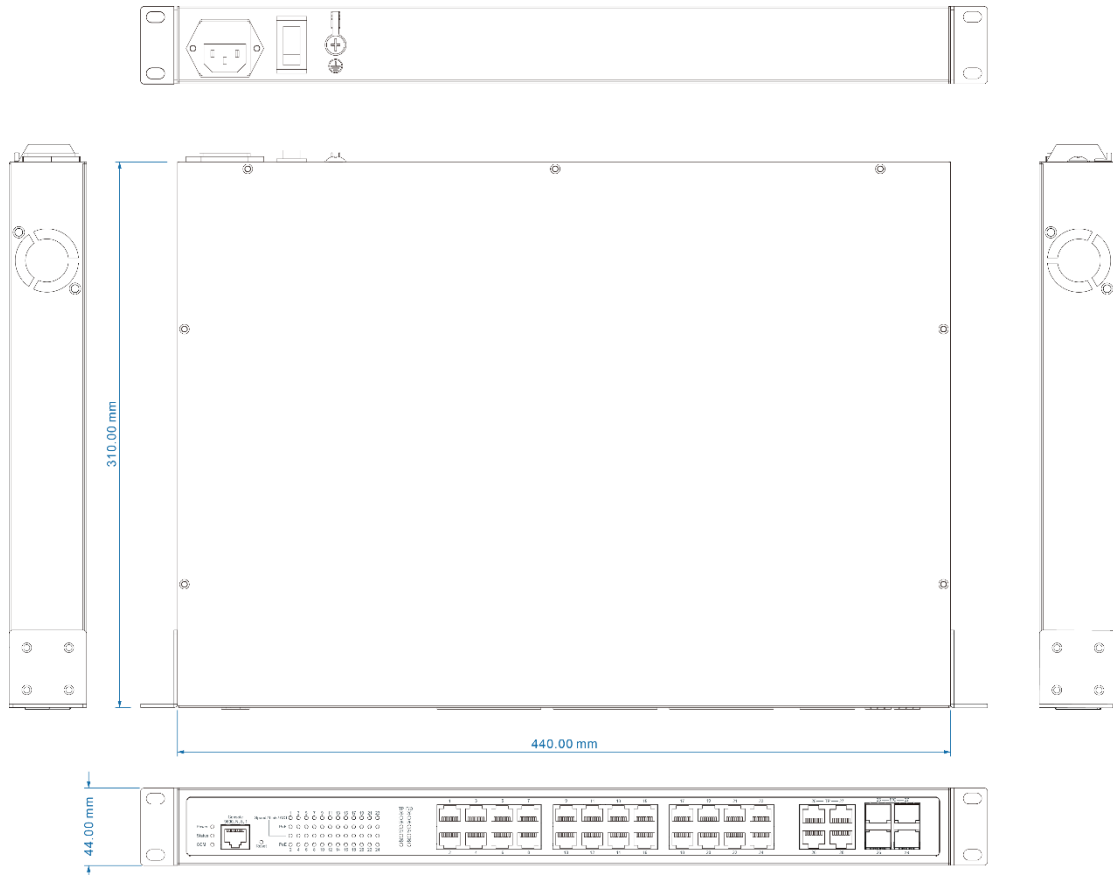
In order to provide extra security, LPGS-2424C comes with Q-in-Q feature. This feature enables operator to separate different services at layer 2 level regardless what VLAN setting end customers have.

With carrier-grade design while keeping user-friendly for administrators, LPGS-2424C can be easily managed by web, console, telnet, SSH, SNMP v1/v2c and DHCP autoprovision.

FEATURES & BENEFITS

- Built-in 240/480W power supply for PoE af/at max 30W/port
- Per port PoE management
- IGMP v1/v2/v3
- Port Based VLAN, Tag VLAN, QinQ
- Port Trunk with LACP up to 14 groups
- FTP, TFTP, HTTP Firmware & Configuration Upgrade
- 9K Jumbo Frame support
- 16K MAC address table
- Support IPv4 & IPv6 dual stack
- Quality of Service 8 queues
- Port Mirroring
- Spanning Tree / Rapid Spanning Tree
- LLDP (Layer Link Discovery Protocol)
- SNMP v1 and v2c
- Advanced Security: SSHv2, ACL, IP Source Guard

DIMENSIONS (unit=mm)



SPECIFICATION

Hardware Specification		Software Specification	
IEEE Standard	IEEE 802.3 10Base-T	Memory Buffer	12Mbit
	IEEE 802.3u 100Base-TX/FX	Jumbo Frame	9K Bytes
	IEEE 802.3ab 1000Base-T	Switch Architecture	Back-plane (Switching Fabric): 56Gbps
	IEEE 802.3z 1000Base-X	Transfer Rate	-10M: 14,880/14,880pps -100M: 148,800/148,800pps -1000M: 1,488,000/1,488,000pps
	IEEE 802.3az EEE	Power Supply	100-240 VAC, 50/60Hz
	IEEE 802.3x Flow Control	Power Consumption	260W (LPGS-2424C-240W) 500W (LPGS-2424C-480W)
	IEEE 802.3ad Link Aggregation (LACP)	PoE budget	240W at 40°C, 210W at 50°C (LPGS-2424C-240W) 480W at 40°C, 420W at 50°C (LPGS-2424C-480W)
	IEEE 802.1ab LLDP	Case Dimension	440mm(W) x 310mm (D) x44mm (H)
	IEEE 802.1p Priority	Weight	4.8kgs
	IEEE 802.1q Tag VLAN	Operating Humidity	5%~90% (Non-condensing)
	IEEE 802.1d STP	Operating Temperature	0°C~50°C
	IEEE 802.1w RSTP	Storage Temperature	-20°C~60°C
	IEEE 802.1x Port based Network Access Control	EMC / Safety	FCC Class A, CE
IEEE 802.3af Power over Ethernet	Warranty	2 years	
IEEE 802.3at Power over Ethernet Plus	Software Specification		
MAC Address	16K Mac address table	Management	-SNMP v1 & v2c/Web/Telnet/SSHv2/CLI -Text Base CLI Configure file -Port Configuration: Speed/duplex/flow control/Description
Connectors	-RJ45 Port: 24 x 10/100/1000Base-T RJ-45 with 802.3at/af PoE injector function		
	4 x 10/100/1000Base-T RJ-45 -SFP Slot: 4 x 100/1000Base-X SFP shared with port-25 to port-28		
Throughput @	-Console Port: 1 x RS-232 to RJ-45 serial port		
	41.6Mpps		

	-NTP with Daylight Saving Time -Layer 2 Control Protocol filter -Static MAC address Table -LLDP		-IGMP/MLD Snooping Group: 512/128 Groups -IP Multicast Filter with Segment and Profile -Static Multicast Group
Diagnostic	-Port Mirror -ICMP Ping -Event log -Syslog -SFP SFF-8472 DDMI monitor -CPU Utilization -Memory Statistics	IPv6 Feature	-IPv6 over Ethernet (RFC 2464) -IPv6 Addressing Architecture (RFC 4291) -IPv6 Dual Stack (RFC4213) -ICMPv6 (RFC4884) -Path MTU Discovery for IPv6 (RFC 1981) -Neighbor Discovery (RFC4861) -DHCPv6 Client
Upgrade/Restore	-Firmware Upgrade/Downgrade HTTP/FTP/TFTP DHCP Auto-provision via DHCP option 60/43 -Configuration Upload/Backup HTTP/FTP/TFTP DHCP Auto-provision via DHCP option 60/43	Layer 2 Protocol Tunneling	-CDP, LLDP, STP, VTP, LACP, PAgP & UDLD
VLAN	-IEEE 802.1q VLAN VLAN ID: 4094 IDs VLAN Concurrent Groups: 2K VLAN Groups -Port Based VLAN -VLAN Translation -Q-in-Q Double tag with Configurable Ether Type	Access Control List	-Physical port, Ether Type, MAC address, VID, ToS/DSCP, Protocol Type, L4 Port and IP address -192 ACL entries
QoS	-QoS 802.1p CoS / DSCP -Scheduling Algorithm Weighted Round Robin (WRR) Strict Priority Queuing (SPQ) -QoS Priority Queues: 8 Queues -802.1p P-bit & DSCP Remarking -Port based rate limit (ingress/egress)	PoE Management	-PoE alarm threshold -Per Port PoE Power On/Off -Configurable PD Name -Per Port PoE Output Priority -PoE Scheduling
Network Redundancy	-IEEE 802.1d Spanning Tree Protocol (STP) -IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) -IEEE 802.3ad Link Aggregation (LACP) -Static Port Trunking -Up to 14 Aggregation Groups, 8 Ports per Group -Fast Redundancy Protocol Fast Ring v2 Chain Up to 200 nodes and recovery time < 50ms	Security	-802.1x Port Base Access Control -802.1x RADIUS Authentication -DHCP Option 82 Relay Agent -DHCP Option 82 with configurable circuit and Remote ID -DHCP Snooping and DHCP server trust port -IP Source Guard -Port Isolation -Storm Control Unknown Unicast/Unknown Multicast/Broadcast -MAC Limiter -Loop Detection
Multicast	-IGMP Snooping v1/v2/v3 -IGMP Fast Leave and Querier -MLD v1/v2 Snooping -MLD Querier		

*Optional

ORDERING INFORMATION

■ **LPGS-2424C-240W.....P/N: 8370-602**

24 10/100/1000T + 4 1000T/100/1000M SFP Combo L2 PoE af/at Gigabit Managed Ethernet Switch; Input AC: 100-240VAC, 50/60Hz; 0°C to 50°C; PoE budget 240W

■ **LPGS-2424C-480W.....P/N: 8370-604**

24 10/100/1000T + 4 1000T/100/1000M SFP Combo L2 PoE af/at Gigabit Managed Ethernet Switch; Input AC: 100-240VAC, 50/60Hz; 0°C to 50°C; PoE budget 480W

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