

LPGS-2424C-240W

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

Gigabit Managed Ethernet Switch

- Built-in 240W power supply for PoE af/at max 30W@port
- Supports IPv4 & IPv6, SSHv2, TACACS+, ACLs
- Support IGMP v3, QoS, RSTP, VLAN, LACP, DHCP server/client/relay
- Per port PoE budget and monitoring
- Support Jumbo frame 9K Bytes



OVERVIEW

Lantech LPGS-2424C-240W is a 24-port 10/100/1000 Base-TX + 4 1000T/100/1000M SFP Combo w/24 PoE 802.3af/at Injectors L2 managed Ethernet switches which supports full SNMP features, including QoS for 8 queues, 801.q VLAN, IPv6, IGMP v1/v2/v3 as well as QinQ. LPGS-2424C-240W supports IEEE 802.3at PoE technology, up to 30W per port and provides maximal 240W for total PoE power budget with per port setting of PoE budget and monitoring.

The Ethernet switch features advanced security function

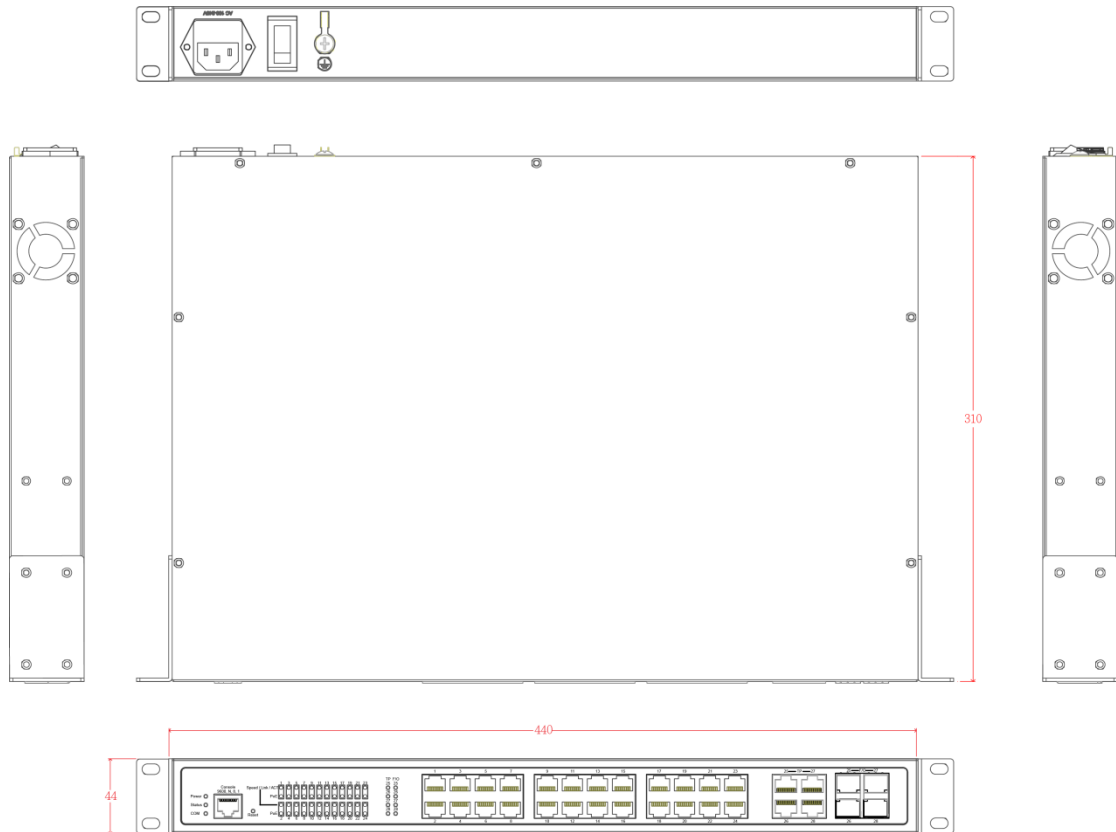
including SSHv2, RADIUS and TACACS+ authentication, ACLs as well as supports IP Source Guard to anti-fake DHCP server or illegal IP address to access the network.

With advanced SNMP and security function, LPGS-2424C-240W is the best Ethernet switch to connect with IP Camera, Setup box, VoIP phone / router, Wireless Equipments for MTU, Transportation or Surveillance applications.

FEATURES & BENEFITS

- Built-in 240W power supply for PoE af/at max 30W/port
- Per port PoE budget and monitoring
- IGMP v1/v2/v3
- Port Based VLAN, Tag VLAN 2K, 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, 2 and 3 with support for traps
- Advanced Security: SSHv2, ACL, IP Source Guard, Port Security

DIMENSIONS (unit=mm)



SPECIFICATION

Hardware Specification		Software Specification	
IEEE Standard	IEEE 802.3 10BASE-T Ethernet, IEEE 802.3u 100BASE-TX Fast Ethernet, IEEE 802.3ab 1000Base-T, IEEE 802.3z Gigabit Fiber, IEEE802.1p COS IEEE 802.3x Flow Control and Back-pressure IEEE802.1x RADIUS authentication IEEE 802.1d Spanning Tree, IEEE 802.1w Rapid Spanning Tree, IEEE 802.3ad Port trunk with LACP IEEE802.3az Energy Efficient Ethernet Task Force IEEE802.1q VLAN Tagging IEEE802.1ab Link Layer Discovery(LLDP), LLDP MED IEEE802.3at Power over Ethernet	Operating Temperature	Standard: 0°C~50°C
MAC Address	16K Mac address table	EMI	FCC Part 15 (CFR47) Class A, CE EN55032, CE EN55024, CE EN61000-3-2, CE EN61000-3-3, CE EN61000-4-2, CE EN61000-4-3, CE EN61000-4-4, CE EN61000-4-5, CE EN61000-4-6, CE EN61000-4-8, CE EN61000-4-11
Jumbo frames	up to 9KB supported on Gigabit interfaces (default enabled)	Safety	EN 60950-1 (LVD)
Switching fabric	56Gbps	Warranty	2 years
Power Supply	100~240 VAC, 50/60Hz	Management	- RADIUS Client for Web, CLI - TACACS+ - SNMPv1/v2c-Private, RFC-1213, RMON MIBs - Event Log, Syslog
Power Consumption	Max. 260W	Firmware update	- Web, SNMP, SSHv2 and Telnet Console CLI
PoE budget	240W	Port Trunk	Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP) -Up to 14 aggregation groups -Up to 8 ports per group
Case Dimension	440mm(W) x 310mm (D) x 44mm (H)	VLAN	Support for up to 2K VLAN groups -Port-based VLAN
Weight	4.8kgs		
Operating Humidity	5%~90% (Non-condensing)		

	<ul style="list-style-type: none"> -Tag-based VLAN -MAC-based VLAN -Management VLAN - Port Isolation 		<p>domain of snooping switches in the absence of a multicast router.</p> <ul style="list-style-type: none"> - MLD v1/v2 snooping : Deliver IPv6 multicast packets only to the required receivers
Quality of Service	<ul style="list-style-type: none"> - Support 8 hardware priority queues - Ingress policer; egress shaping and rate control; per VLAN, per port and flow base 	DHCP	<ul style="list-style-type: none"> - DHCP Relay Agent with Option 82 - IPSourceGuard(StaticIP, DHCP Snooping) - DHCP Server Trust Port - DHCPv6 Client - DHCP Client and /Auto-Provision
QoS Scheduling	Strict priority and 8,4,2,1 weight fair queue scheme Queue assignment based on DSCP and class of service (802.1p/ CoS)	SNMP	SNMP version 1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM)
Class of Service	Port based; 802.1p VLAN priority based; IPv4/IPv6 precedence/ type of service (ToS) / DSCP based; Differentiated Services (DiffServ); classification and re-marking ACLs, trusted QoS	SNTP	SNTP to synchronize system clock in Internet
IPv6	Telnet/ SSH, ping, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, Syslog, protocol-based VLANs	LLDP	Traffic on a port can be mirrored to another port for analysis with a network analyzer or RMON probe. Up to 8 source ports can be mirrored to single destination port. A single session is supported.
IPv4 and IPv6 dual stack	Support IPv6 management, packet forwarding and MLD v1/v2 Snooping	Port Security	Locks MAC Addresses to ports, and limits the number of learned MAC addresses
Policy Based Rate Limiting	Wire speed rate limiting per Mac / IP / TCP / UDP	IP security	Supports illegal IP address to access to specific port in the switch Support SSHv2
Energy Detection	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	RADIUS / TACACS+	IEEE802.1X: RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN, single/multiple host mode and single/multiple sessions Supports RADIUS and TACACS+ authentication. Switch as a client
Spanning Tree	Support Spanning Tree · Rapid Spanning Tree	Storm control	Broadcast Storm Control, Multicast Flood Control and Unknown Unicast Control
Port Mirror	Supports TX/RX/Both packet mirror (8 source port)	ACLs	ACL Based on Physical port, IEEE802.1p, VID, TOS/DSCP, Ethertype, Protocol Type and L4 Port
IGMP	<ul style="list-style-type: none"> -Supports IGMP v1/v2/v3 snooping -IGMP Fast Leave -IGMP Filtering via Filtering Profile -IGMP querier is used to support a Layer 2 multicast 		

*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

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