

LGS-2816C-RPS

16 100/1000M SFP + 8 10/100/1000T/Dual Speed SFP Combo

L2 Plus Managed Switch w/ Redundant Power Supply

- Single IP Stacking up to 16 switches
- Supports Spanning Tree / RSTP/ MSTP
- Supports Q-in-Q double tag VLAN, MVR
- Supports SSL/SSH, ACL, TACACS+, and IP-Mac-Port Binding for Security
- Support IPv6; IGMP v3 and Proxy
- Operating Temperature from -20°C~60°C



OVERVIEW

Lantech LGS-2816C-RPS, a 24-port Gigabit L2 Plus Managed Switch, is a standard switch that meets all IEEE 802.3/u/x/z Gigabit, Fast Ethernet specifications. The switch includes 24-Port 100/1000Mbps Dual Speed SFP Fiber interface with 8-Port Combo Gigabit TP/ (100/1000Mbps SFP) Fiber. The switch can be managed through RS-232 serial port, or through Ethernet port using CLI or Web-based management unit, associated with SNMP agent.

With the SNMP agent, the network administrator can logon the switch to monitor, configure and control each port's activity in a friendly way. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications.

In addition, the switch features comprehensive and useful functions such as QoS (Quality of Service), IPv6, Spanning Tree, VLAN, Port Trunking, Bandwidth Control, Port Security, MVR, SNMP/RMON, LLDP and IGMPv3 Snooping capability, SSL/SSH, TACACS+ via the intelligent software. It is suitable for both metro-LAN and central management applications when needs high density fiber aggregation.

The LGS-2816C-RPS supports +12VDC redundant power supply via optional connector to ensure the switch power system. The working temperature is from -20°C to 60°C where meets with the challenge of harsh environments. It is suitable for surveillance, transportation, factory floors, etc.

FEATURES & BENEFITS

- 16-Port 100/1000Mbps dual speed SFP fiber interface
- 8-Port dual media with UTP/(100/1000Mbps SFP) for flexible connection
- Supports Jumbo Frame size up to 9KB
- IEEE 802.1X Access Control improve network security
- Port Mirroring helps supervisor monitoring network
- Supports Q-in-Q(Double-tag)
- IEEE802.1Q tag-base VLAN, 4094 entries and port-base VLAN
- IEEE 802.1D Compatible, 802.1w Rapid Spanning Tree and 802.1s Multiple Spanning Tree
- Unknown Unicast/Broadcast/Multicast Storm Control
- Multicast Vlan Registration for IPTV
- Support IPv6
- IP-MAC-Port binding for security
- Supports QoS (QCL/QCE) for traffic control
- ACL based on Ethernet Type / ARP / IPv4 for packets permit or deny, rate limitation and port copy
- DHCP Snooping (Including DHCP Option 82)
- Supports IGMPv3 snooping and IGMP proxy
- Supports SSL/SSH for network security
- Supports TACACS+ for management security and authentication
- Supports "power saving" for Green Ethernet requirement
- Supports LLDP (Link Layer Discovery Protocol) provides a standards-based method for enabling switches to advertise themselves

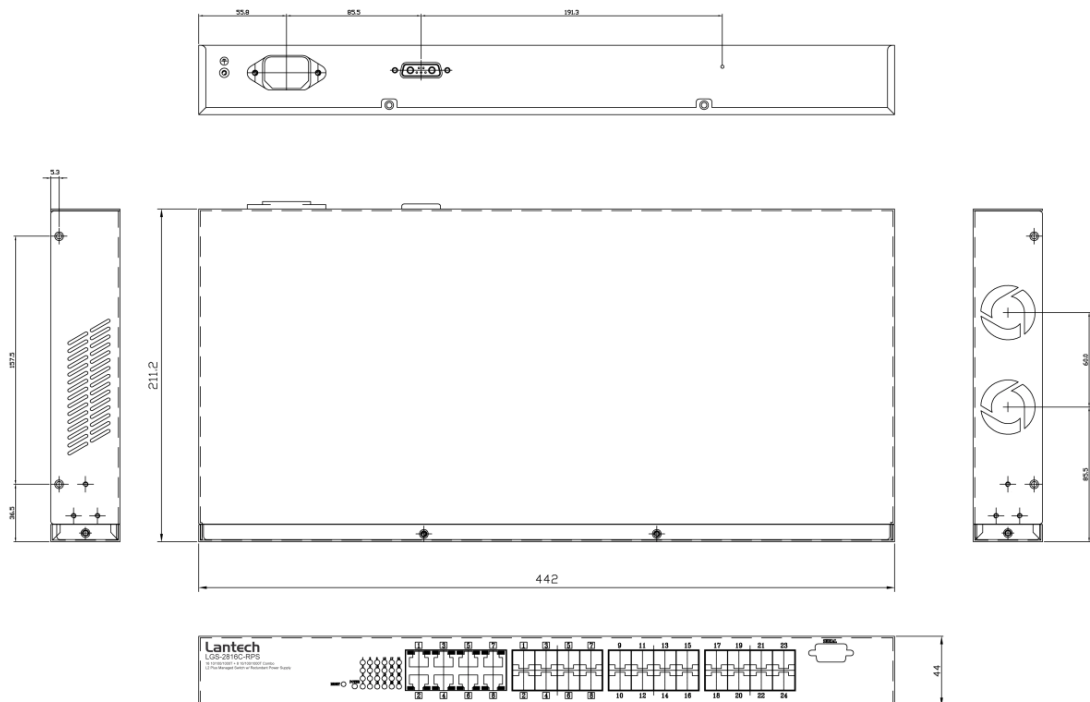
- Supports Syslog for device management as well as generalized informational, analysis, and

debugging messages

SPECIFICATION

Hardware Specification		Software Specification	
IEEE Standard	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Ethernet IEEE 802.3ab 1000Base-TX Ethernet IEEE 802.3z 1000Base-X Ethernet IEEE 802.3x Flow Control Capability ANSI/IEEE 802.3 Auto-negotiation IEEE 802.1Q VLAN IEEE 802.1p Class of Service IEEE 802.1X Access Control IEEE 802.1D Spanning Tree IEEE 802.1w Rapid Spanning Tree IEEE 802.1s Multiple Spanning Tree IEEE 802.3ad Link Aggregation Control Protocol (LACP) IEEE 802.1AB Link Layer Discovery Protocol (LLDP)	EMI	Comply with FCC Part 15 Class A & CE Mark Approval
MAC address	8K	Warranty	2 years
Switch Capacity	48Gbps	Software Specification	
Throughput	35.712Mpps	Management	SNMPv1,v2c,v3, Web Interface, CLI
Connector	16 100/1000M SFP and 8 dual media, RJ-45/SFP	SNMP MIB	RFC 1213 MIB (MIB-II) Interface MIB, Address Translation MIB, IP MIB, ICMP MIB, TCP MIB, UDP MIB, SNMP MIB RFC 1757 RMON MIB Statistics Group 1, History Group 2, Alarm Group 3, Event Group 9 RFC 1493 Bridge MIB RFC 1643 Ethernet MIB Enterprise MIB
Jumbo packet	Up to 9K	VLAN	<ul style="list-style-type: none"> Supports SVL/IVL configuration to meet your VLAN requirement Port-base VLAN IEEE802.1Q tag-base VLAN, up to 4k active VLANs Supports the Q-in-Q (Double-tag) Supports MVR (Multicast VLAN Registration)
ROM	128M	VSM (Virtual Stacking Management)	<ul style="list-style-type: none"> Up to 16 switches by single IP address Virtual stacking, no extra stacking hardware is required Distributed stacking, no physical central wiring closet is needed
DRAM	512M	QoS	<ul style="list-style-type: none"> Supports Port Based, 802.1p and Diffserv (IPv4 /IPv6) QoS packet classification Supports two scheduling, WRR and Strict Supports 802.1p QoS with four level priority queue
Packet Buffer	1392KB	Spanning Tree	Supports 802.1D STP/1w RSTP/1s MSTP
LED	POWER Green Lit when +12V DC power is on and good 10/100/1000Ethernet TP Port 1 to 8 LED LINK/ACT Green Lit when connection with remote device is good Blinks when any traffic is present Off when cable connection is not good 10/100/1000Mbps Green/Amber Lit Green when 1000Mbps speed is active Lit Amber when 100Mbps speed is active Off when 10Mbps speed is active 1000SX/LX Gigabit Fiber Port 1 ,24 LED SFP(LINK/Speed/ACT) Green Lit when connection with the remote device is good Blinks when any traffic is present Off when module connection is not good	Port Mirror	<ul style="list-style-type: none"> Support 1: N mirroring Supports port sniffer function with Ingress and Egress
Power Supply	Input Voltage : 100~240V Frequency : 50~60 Hz	IGMP	<ul style="list-style-type: none"> Supports IGMPv3 snooping including active and passive mode Supports IGMP proxy including active and passive mode
Redundant Power	12+VDC	LACP	<ul style="list-style-type: none"> Port trunking with 12 trunking group Up to 16 ports for each group.
Power Consumption	40Watt (maximum)	Bandwidth Control	Supports bandwidth rating per port ingress and egress rate limit 500Kbps~1000Mbps with 1Kbps
Case Dimension	442mm(W) x209mm (D) x44mm (H)	GVRP/GARP	802.1Q with GVRP/ GARP
Weight	2900g	Broadcast Storm	Multicast/Broadcast/Unknown-Unicast Storm suppression
Operating Humidity	5%~90% (Non-condensing)	Network Security	<ul style="list-style-type: none"> 802.1X access control for port based and MAC based authentication Management Access Policy Control Access Control List IP-MAC-Port binding DHCP snooping and DHCP option 82 SSL/ SSH for Management TACACS+ for Management Authentication
Operating Temperature	Standard: -20°C~60°C		

DIMENSIONS (unit=mm)



ORDERING INFORMATION

- **LGS-2816C-RPS.....P/N: 8370-900**

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OPTIONAL ACCESSORIES

ECON002816 ECON for Redundant Power Supply

Mini GBIC (SFP)

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| ■ 8330-162 MINI GBIC 1000SX (LC/0.5km) Transceiver | ■ 8330-061 100Base LX 30KM, Single-mode, LC Transceiver |
| ■ 8330-163 MINI GBIC 1000SX2 (LC/2km) Transceiver | ■ 8330-188 LTSFP-1000BX-10KM Transceiver (WDM 1310) |
| ■ 8330-165 MINI GBIC 1000LX (LC/10km) Transceiver | ■ 8330-189 LTSFP-1000BX-10KM Transceiver (WDM 1550) |
| ■ 8340-0591 MINI GBIC 1000LHX (LC/40km) Transceiver | ■ 8330-186 LTSFP-1000BX-20KM Transceiver (WDM 1310) |
| ■ 8330-166 MINI GBIC 1000XD (LC/50km) 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) |
| ■ 8330-170 MINI GBIC 1000EZ (120km) Transceiver | ■ 8330-181 LTSFP-1000BX-60KM Transceiver (WDM 1310) |
| ■ 8330-168 MINI GBIC 10/100/1000T (100m) Transceiver | ■ 8330-183 LTSFP-1000BX-60KM Transceiver (WDM 1550) |
| ■ 8330-060 100Base FX 2KM, Multi-mode, LC Transceiver | ■ 8330-184 LTSFP-1000BX-80KM Transceiver (WDM 1490) |
| ■ 8330-065 100Base FX 5KM, Multi-mode, LC Transceiver | ■ 8330-185 LTSFP-1000BX-80KM Transceiver (WDM 1550) |

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