

LGS-2624C

20 10/100/1000T + 4 100/1000M SFP Combo + 2 100/1000M SFP L2 Plus

Managed Switch

- Advanced L2 + SNMP Management
- Supports IPv4 & IPv6, MSTP, SSH/SSL, TACAS+, ACLs
- Support IGMP v3 and Proxy, MVR
- IEEE 802.3az for Energy Efficient Ethernet Task Force



OVERVIEW

Lantech LGS-2624C is a 20-port 10/100/1000 Base-TX + 6 100/1000M SFP L2 managed switches which supports full SNMP features, including QoS for 4 queues, 801.q VLAN, IPv6, IGMP snooping and query mode as well as SNTp and SMTP.

The switch features advanced security function including SSH, SSL, RADIUS and TACACS+ authentication, PVE, 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, LGS-2624C is the best switch to connect with IP Camera, Setup box, VoIP phone / router, Wireless Equipments for MTU, Transportation or Surveillance applications.

FEATURES & BENEFITS

- IGMP v1/v2/v3 snooping, query and proxy
- Port Based VLAN, Tag VLAN, GVRP
- Voice VLAN
- Port Trunk with LACP
- TFTP Firmware Update and System Configure
- 9K Jumbo Frame support
- 8K MAC address table
- Support IPv4 & IPv6
- Quality of Service
- Port Mirror
- MSTP /Spanning Tree / Rapid Spanning Tree
- SNMP v1, 2c and 3 with support for traps
- Advanced Security: SSH/SSL,ACL, IP Source Guard, PVE, Port Security

SPECIFICATION

Hardware Specification

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|-------------------|--|
| 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) |
| MAC Address | 8K Mac address table |
| Jumbo packet | up to 9KB supported on Gigabit interfaces |
| Power Supply | 100-240 VAC 50-60 Hz, internal, universal |
| Power Consumption | unload 11.52W @ AC 110V |

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|-------------------------------|--|
| | 12.90W @ AC 220V 12.70W @ AC 240V full-load 21.6W @ AC 110V 22.80W @ AC 220V 22.73W @ AC 240V |
| Case Dimension | 442mm(W) x 170.3mm (D) x44mm (H) |
| Operating Humidity | 10%~90% (Non-condensing) |
| Operating Temperature | Standard: -20°C~60°C |
| EMI | CE, FCC Part 15 (CFR47) Class A |
| Warranty | 2 years |
| Software Specification | |
| Management | SNMPv1v2v3/ Web/ Telnet/ CLI Management |
| Firmware update | -Web browser upgrade (HTTP/ HTTPS) and TFTP -Upgrade through console port as well -utility to deploy the switch firmware |
| s-Flow | s-Flow is a modern standard-based network export |

Preliminary Datasheet Version 1.0

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| | protocol (RFC 3176) that addresses many of the challenges that network managers face today. By embedding s-Flow technology into network switch delivers an "always-on" technology that operates with wire-speed performance. Cost of implementation is driven down dramatically compared to traditional network monitoring solutions using mirrored ports, *probes, and line tap technologies. (The function will be released at FW v1.10 and the available schedule is August 2011*) | | set rate limiter value and units with pps or kbps. |
| | | Energy Detect | 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 |
| | | Cable length detection | Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter. |
| | | Spanning Tree | Support Spanning Tree - Rapid Spanning Tree, enabled by default Multiple Spanning Tree instances using 802.1s (MSTP) |
| UPnP | The UPnP (ISO/IEC 29341) architecture allows device-to-device networking of personal computers, networked home appliances, consumer electronics devices and wireless devices. It is a distributed, open architecture and zero configurations networking protocol based on established standards such as the Internet Protocol Suite (TCP/IP), HTTP, XML, and SOAP. (The function will be released at FW v1.10 and the available schedule is September 2011*) | Port Mirror | Supports TX/RX/Both packet mirror. (8 source port) |
| Port Trunk | Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP) -Up to 12 groups -Up to 8 ports per group | IGMP | -Supports IGMP v1/v2/v3 snooping -IGMP querier is used to support a Layer 2 multicast domain of snooping switches in the absence of a multicast router. -Support IGMP Proxy - MLD v1/v2 snooping : Deliver IPv6 multicast packets only to the required receivers |
| VLAN | Support for up to 4K VLANs simultaneously (out of 4096 VLAN IDs) -Port-based VLAN -Tag-based VLAN -MAC-based VLAN -Management VLAN -Private VLAN Edge (PVE) -GVRP / MVR | DHCP | Relay of DHCP traffic to DHCP server in different VLAN. Works with DHCP Option 82 DHCP Client/ DHCPv6 Client |
| Voice VLAN | Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS | SNMP | SNMP version1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM) |
| Quality of Service | - Support 4 hardware queues (Low / Normal / Medium / High) - Ingress policer; egress shaping and rate control; per VLAN, per port and flow base | SMTP | Support SMTP Server and 6 e-mail accounts for receiving event alert |
| 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) | SNTP | SNTP to synchronize system clock in Internet |
| 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 | 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. |
| IPv6 | Web/ SSL, Telnet/ SSH, ping, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, Syslog, DNS Client, protocol-based VLANs | System Log | System log record and remote system log server |
| IPv4 and IPv6 dual stack | Coexistence of both protocol stacks to migration | Port Security | Locks MAC Addresses to ports, and limits the number of learned MAC addresses |
| Remote Monitoring (RMON) | Embedded RMON software agent supports RMON groups 1,2,3,9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring and analysis | IP security | Supports illegal IP address to access to specific port in the switch Support SSH/SSL |
| Dual Image | Dual image provides independent primary and secondary OS files for backup while upgrading | RADIUS / TACACS+ | IEEE802.1X: RADIUS authentication, authorization and accounting, MD5 hash, guest VLAN , single/multiple host mode and single/multiple sessions Supports IGMP-RADIUS based 802.1X Dynamic VLAN assignment Supports RADIUS and TACACS+ authentication. Switch as a client |
| Rate Limiter | The Rate Limiter Level from 1 to 16 that allow user to | Storm control | Broadcast, multicast, and unknown unicast |
| | | ACLs | Support for up to 4096 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 |

*Future Release
**Optional

ORDERING INFORMATION

■ **LGS-2624C.....P/N: 8370-600**
20 10/100/1000T + 4 100/1000M SFP Combo + 2 100/1000M SFP L2 Plus Managed Switch

Lantech Communications Global Inc.
www.lantechcom.tw
info@lantechcom.tw

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