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*
- *IGMP Query and Snooping, Proxy*

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

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
	6.84W @ DC 12V
	11.52W @ AC 110V

	12.90W @ AC 220V
	12.70W @ AC 240V
	full-load
	15.6W @ DC 12V
	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: 0°C~40°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 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*)		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
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*)	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)
		Port Mirror	Supports TX/RX/Both packet mirror. (8 source port)
		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
Port Trunk	Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP) -Up to 12 groups -Up to 8 ports per group	DHCP	Relay of DHCP traffic to DHCP server in different VLAN. Works with DHCP Option 82 DHCP Client/ DHCPv6 Client
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	SNMP	SNMP version1, 2c and 3 with support for traps, and SNMP version 3 user-based security model (USM)
		SMTP	Support SMTP Server and 6 e-mail accounts for receiving event alert
		SNTP	SNTP to synchronize system clock in Internet
Voice VLAN	Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of 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.
		System Log	System log record and remote system log server
Quality of Service	- Support 8 hardware queues - Ingress policer; egress shaping and rate control; per VLAN, per port and flow base	Port Security	Locks MAC Addresses to ports, and limits the number of learned MAC addresses
		IP security	Supports illegal IP address to access to specific port in the switch Support SSH/SSL
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)	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
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		
IPV6	Web/ SSL, Telnet/ SSH, ping, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, Syslog, DNS Client, protocol-based VLANs	Storm control	Broadcast, multicast, and unknown unicast
IPv4 and IPv6 dual stack	Coexistence of both protocol stacks to migration	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
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		
Dual Image	Dual image provides independent primary and secondary OS files for backup while upgrading		
Energy Detect	Compliant IEEE802.3az Energy Efficient Ethernet		

*Future Release

**Optional

ORDERING INFORMATION

■ **LGS-2624C……..…………….....…..…......P/N: 8370-600**

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