

LGS-2624C

20 10/100/1000T + 4 1000T/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*
- *DNV Type** Approved for Ships, Craft and Off-shore Platforms*



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.

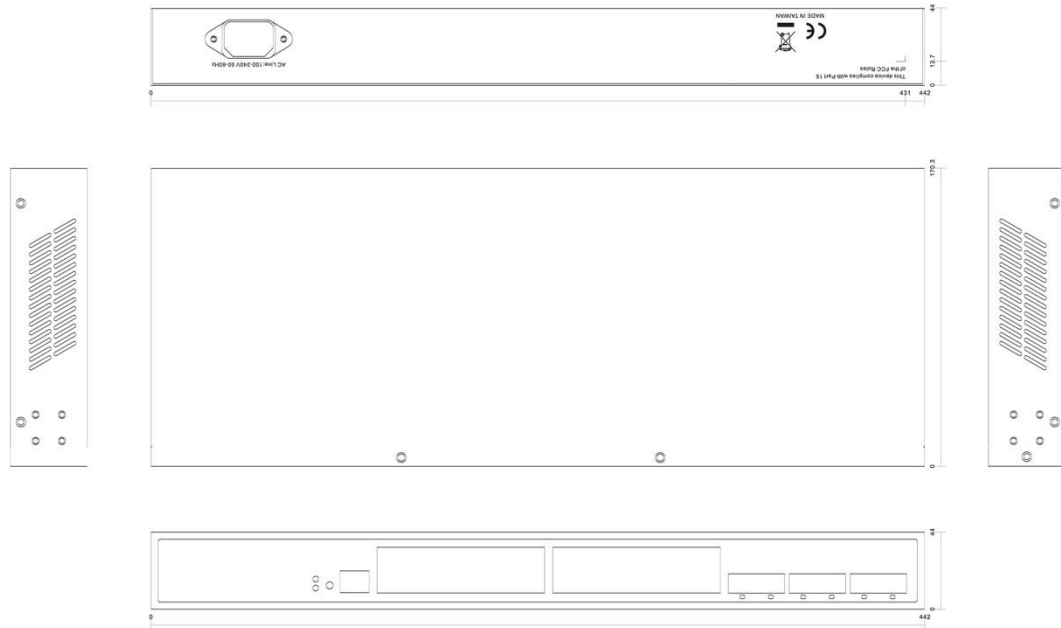
Lantech DNV-Type Approval LGS-2624C-DNV* model meets with the most critical test criteria in DNV Type test directives consisting of MED (Marine Equipment Directive), EMC (Electromagnetic Compatibility Directive) and LVD (Low Voltage Directive) in which vibration, high voltage, compass safe distance, salt mist tests, humidity etc are conducted to ensure the switch sustaining the harsh on-board environments often founded in Ships, Crafts and Offshore platforms.

FEATURES & BENEFITS

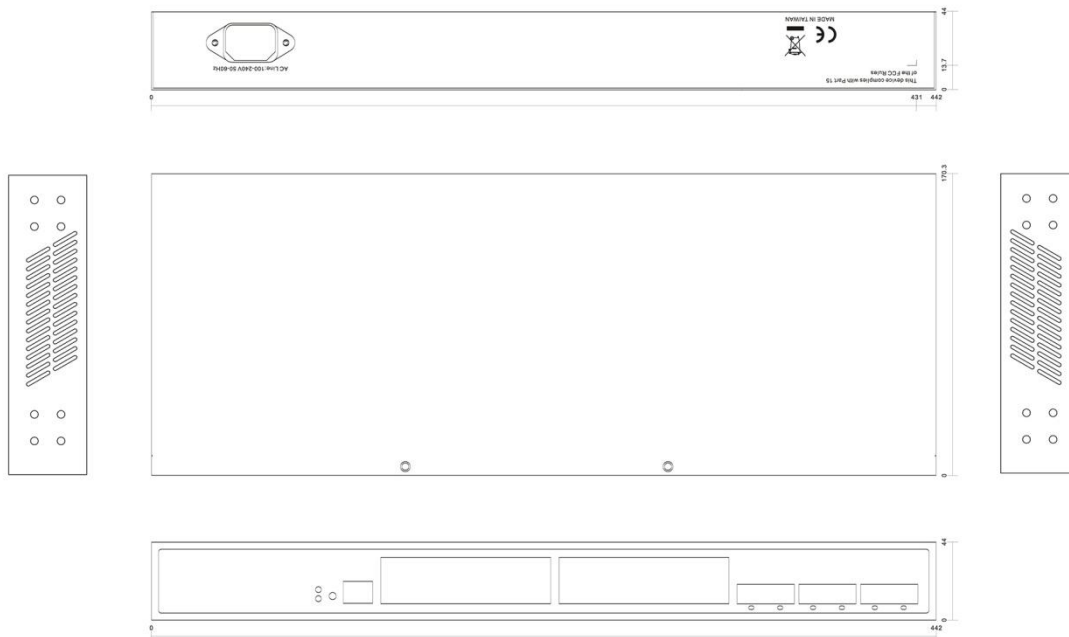
- **IGMP v1/v2/v3 snooping, query and proxy**
- **Port Based VLAN, Tag VLAN, GVRP**
- **Voice VLAN**
- **Port Trunk with LACP**
- **TFTP Firmware Update and System Configure**
- **9K Jumbo Frame support**
- **8K MAC address table**
- **Support IPv4 & IPv6**
- **Quality of Service**
- **Port Mirror**
- **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**

DIMENSIONS (unit=mm)

General model



DNV model



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), LLDP
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MAC Address	MED		
Jumbo frames	8K Mac address table		
Switching fabric	up to 9KB supported on Gigabit interfaces (default enabled)	VLAN	-Up to 12 groups -Up to 8 ports per group 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
Packet Buffer	52 Gbps	Voice VLAN	Voice traffic is automatically assigned to a voice-specific VLAN and treated with appropriate levels of QoS
Power Supply	4M bits	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
Power Consumption	100-240 VAC 50-60 Hz, internal , universal	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)
Power Consumption	unload	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
Power Consumption	11.52W @ AC 110V	IPv6	Web/ SSL, Telnet/ SSH, ping, Simple Network Time Protocol (SNTP), Trivial File Transfer Protocol (TFTP), SNMP, RADIUS, Syslog, DNS Client, protocol-based VLANs
Power Consumption	12.90W @ AC 220V	IPv4 and IPv6 dual stack	Coexistence of both protocol stacks to migration
Power Consumption	12.70W @ AC 240V	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
Power Consumption	full-load	Dual Image	Dual image provides independent primary and secondary OS files for backup while upgrading
Power Consumption	21.6W @ AC 110V	Rate Limiter	The Rate Limiter Level from 1 to 16 that allow user to set rate limiter value and units with pps or kbps.
Power Consumption	22.80W @ AC 220V	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
Power Consumption	22.73W @ AC 240V	Cable length detection	Adjusts the signal strength based on the cable length. Reduces the power consumption for cables shorter.
Case Dimension	442mm(W) x 170.3mm (D) x44mm (H)	Spanning Tree	Support Spanning Tree · Rapid Spanning Tree, enabled by default Multiple Spanning Tree instances using 802.1s (MSTP)
Operating Humidity	10%~90% (Non-condensing)	Port Mirror	Supports TX/RX/Both packet mirror. (8 source port)
Operating Temperature	Standard: -20°C~60°C	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
EMI	FCC Part 15 (CFR47) Class A, CE EN55022, 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	DHCP	Relay of DHCP traffic to DHCP server in different VLAN. Works with DHCP Option 82 DHCP Client/ DHCPv6 Client
Safety	EN 60950-1 (LVD)	SNMP	SNMP version1, 2c and 3 with support for traps, and
Stability Testing	IEC60068-2-6 (Vibration)		
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*)		
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 Trunk	Support for IEEE 802.3ad Link Aggregation Control Protocol (LACP)		

	SNMP version 3 user-based security model (USM)		Dynamic VLAN assignment
SMTP	Support SMTP Server and 6 e-mail accounts for receiving event alert		Supports RADIUS and TACACS+ authentication. Switch as a client
SNTP	SNTP to synchronize system clock in Internet	Storm control	Broadcast, multicast, and unknown unicast
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.	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
System Log	System log record and remote system log server		
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		
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		

*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; -20°C~60°C w/ 19" rack-mount ears x2
- **LGS-2624C-DNV..... P/N: 8370-600DNV**
20 10/100/1000T + 4 100/1000M SFP Combo + 2 100/1000M SFP L2 Plus Managed Switch; -20°C~70°C w/ DNV mounting ears x4
- **MBAK-LGS-2624C-EARS**
Optional rack-mount ears for LGS-2624C-DNV

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