

LGS-1424C

24 10/100/1000TX + 4 mini GBIC Web Managed Switch

- Supports IGMP snooping
- Spanning Tree and Rapid Spanning Tree
- Web Management
- TFTP Firmware upgrade



OVERVIEW

Lantech LGS-1424C is a 24-port 10/100/1000TX plus 4 mini GBIC slots switch. It offers 24 auto-negotiation gigabit Ethernet ports that can significantly improve your network backbone performance and it also provides 4 mini GBIC gigabit ports for gigabit fiber network connection.

With the Web UI, users are able to manage LGS-1424C, which supports VLAN, GVRP, Port Mirror, Flow control and IGMP snooping functions. Featured with TFTP, users can update its firmware easily. LGS-1424C also supports CoS (Class of Service), Spanning Tree / Rapid Spanning Tree protocol to

improve the security and performance of the network.

Lantech LGS-1424C is the best solution for the user in aspect of easy management and price concern. It is specially designed for the small office or department where has high bandwidth requirement and is an ideal solution for solving traffic block at the core of the network. By providing basic smart web management functions and a relatively economic price, LGS-1424C is the best to implement at Internet cafe, mid-large enterprise and campus networks.

FEATURES & BENEFITS

- Conforms to IEEE 802.3, 802.3u, 802.3ab and 802.3x
- IGMP snooping
- Auto-MDIX on all ports
- 24Gbps back-plane
- N-Way Auto-Negotiation
- VLAN
- Port Trunk
- TFTP Firmware upgrade
- 10K Jumbo Frame support
- 8K MAC address table
- Back pressure half duplex
- Flow control full duplex
- Store-and-Forward switching architecture
- 500Kbytes memory buffer
- True non-blocking switching
- Class of Service
- Port Mirror
- Spanning Tree and Rapid Spanning Tree
- Web Management

SPECIFICATION

Hardware Specification		Power Consumption (DC)	Watt (maximum)
IEEE Standard	IEEE802.3 10Base-T Ethernet IEEE802.3u 100Base-TX Fast Ethernet IEEE802.3ab 1000Base-T IEEE802.3z Gigabit Fiber IEEE802.3x Flow Control and Back-pressure IEEE802.1d Spanning Tree IEEE802.1w Rapid Spanning Tree IEEE 802.3ad Port trunk with LACP IEEE 802.1p Class of Service IEEE 802.1Q VLAN Tag	Operation Temperature	0°C to 45°C (32°F-113°F)
Protocol	CSMA/CD	Operation Humidity	10% to 90% (Non-condensing)
Technology	Store-and-Forward switching architecture	Dimension	217mm (W) x 140mm (D) x 43mm (H)
Transfer Rate	14,880 pps for 10Mbps 148,800 pps for 100Mbps 1,488,000 pps for 1000Mbps	EMI	Compliance with FCC Class A, CE
Connector	Gigabit copper: 24 x RJ-45 with Auto-MDIX MINI GBIC: 4 x MINI GBIC socket (3.3v); shared with last 4-port RJ-45	Safety	Compliance with UL, cUL
MAC address	8K Mac address table	Warranty	2 years
Packet buffer	500Kbytes	Software Specification	
Jumbo packet	Support 10Kbytes jumbo packet size	Management	Web Management
ROM	512Kbytes	Firmware update	TFTP firmware upgrade
RAM	32Kbytes	Console	1 RS-232 DB-9 console port
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 EIA/TIA-568 100-ohm (100m) 100Base-T: 2-pair UTP/STP Cat. 5 EIA/TIA-568 100-ohm (100m) Gigabit copper: 4-pair UTP/STP Cat. 5 EIA/TIA-568 100-ohm (100m)	Port configuration	Port enable/disable, port speed, full/half duplex and flow control
Backplane	48Gbps, 71.42Mpps throughput @64bytes	Port Trunk	Support IEEE802.3ad port trunk with link aggregation control protocol (LACP) The trunk group up to 8 and maximum trunk port member up to 16 ports
LED	Per RJ-45 port: 100/1000(green), Link/Activity (green) Per MINI GBIC: Link/Activity(green) Per unit: Power	Port statistics	Support several of counters of TX and RX packet
Ventilation	1 x 40mm x 40mm DC fan	VLAN	Support port based VLAN, tag VLAN and GVRP protocol. The VLAN entry up to 4K and VID up to 4094
		Quality of Service	Support port based, Tag based, IPv4 ToS and IPv6 DSCP
		Class of Service	Per port support 4 priority queues
		Spanning Tree	Support IEEE802.1w rapid spanning tree and compatible with IEEE 802.1d
		Port Mirror	Support RX packet mirror
		IGMP	Support IGMP V1, V2 and multicast groups up to 8K
		Broadcast storm	Disable, 5%, 10%, 20%

*Future Release
**Optional

ORDERING INFORMATION

- **LGS-1424C.....P/N: 8370-500**
24 10/100/1000T plus 4 MINI GBIC web managed switch

OPTIONAL ACCESSORIES

Mini GBIC (SFP)

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

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