

# LES-2224C-SFP

## 24 x 100M SFP SNMP Switch +2 x 1000T/w SFP Combo

- CLI, Web, Telnet management interface
- Supports QoS & CoS
- DHCP client supported
- FTP/TFTP firmware upgradable



## OVERVIEW

Lantech LES-2224C-SFP is a Full SNMP managed switch with 24-Port 100M SFP slots + 2-Port 1000T/ SFP combo. Its Aluminum & Fan less design presents sophisticate mechanical design allowing LES-2224C-SFP operate quietly to reduce overall system noise and prevent from FAN breakdown service.

The advanced features includes complete setting of QoS for Tag-base, Mac-base, Port-base, DiffServ base; VLAN, Bandwidth control, DHCP client and IGMP Lay2/Lay3. With

email alert function, the switch will automatically notify up to 8 email accounts for any event of LES-2224C-SFP.

Upgrading the firmware is easy through FTP & TFTP.? You can manage the LES-2224C-SFP through CLI, Web and Console. Lantech LES-2224C-SFP is designed for FTTx, Factory automation, Surveillance applications where needs high density 100M Fiber ports with complete Layer 2 SNMP, VLAN, QoS, IGMP, Security, Bandwidth management function.

## FEATURES & BENEFITS

- **System Interface/Performance**
  - 24x 100M SFP (LC) + 2 x 1000T/SFP combo ports
  - Store-and-Forward Switching Architecture
  - Back-plane (Switching Fabric): 8.8Gbps
  - 8K MAC Address Table
  - Embedded 2Mbit packet memory
- **Mechanical Housing**
  - 19 inch 1u Aluminum rack design
  - No FAN
- **QoS (Quality of Service)**
  - Support IEEE 802.1p Class of Service,
  - Per port provides 4 priority queues
  - Port Base, Tag Base, Mac Base
  - DiffServ(IPv4/IPv6) Base
- **Per Port Setting**
  - Port Security
  - Maximum dynamic MAC address learned
  - Flow control & Back pressure programmable
  - Broadcast Storm controlling
  - Ingress/Egress rate (64K/125K/256K)up to 100Mbps
- **IGMP lay2/3**
- **256 Multicast Address Table**
- **DHCP client supported**
- **CLI, Web, Telnet management interface**
- **FTP/TFTP firmware upgradable**
- **MIB supported: RFC1213, RFC1215, RFC1493, RFC1643, RFC1757, RFC2674 and private MIB**
- **Protocol supported: IP, ARP, TCP, UDP, DHCP, DNS, TELNET, FTP, TFTP, SNMP, HTTP, NTP, SYSLOG, SMTP**

## SPECIFICATION

Hardware Specification		Port Trunk	Trunk groups up to 3. Maximum trunk port members up to 4.
IEEE Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3ab 1000BASE-T IEEE802.3x Flow control and Back pressure IEEE802.3ad Port Trunk IEEE802.1p Class of service	LACP	Support LACP
Connector	100M SFP LC: 24 x 100M SFP slots 1000T/ Mini-GBIC Combo: 2 x RJ-45 1000T with Auto MDI/MDI-X function + 2 x 1000 SFP sockets	VLAN	Port Based VLAN, 802.1Q Tag VLAN VLAN entry up to 4K.
Transfer Rate	148,800pps for Fast Ethernet port 1,488,000pps for Gigabit Ethernet port	QoS	802.1p, Port, MAC, TOS and DiffServ (IPv4/ IPv6) based QoS packet classification with four priority queues
Switch architecture	Store and forward architecture.	Class of Service	System provides 2 queues for High and Low priority. Support priority weighted ration (H /L): 1:0 (always high priority), 4:1 (4 High priority then 1 Low priority packet), 8:1 (8 High priority then 1 Low priority packet)
Back-plane	8.8Gbps with full wire speed.	Bandwidth control	Each port's bandwidth is configurable on both ingress and egress traffic independently. Rate limit from 64Kbps to 1792Kbps
MAC address	8K MAC with Auto learning	IGMP	It supports IP multicast function at Layer 2/3 snooping
Flash ROM	2M bit	Multicast table	256-entry Multicast Address table
LED	Link/ACT per port; CPU status (Power/DIAG)	DHCP	Provide DHCP Client functions
Power Supply	100~240VAC 50/60Hz	Broadcast Storm filter	Programmable
Power Consumption	9watts (empty SFP slots) 25Watts (Full load)	Port Mirror	Global System support 3 mirroring type RX, TX and both packet. The maximum of mirror entries up to 26.
Operation Temp.	0°C to 45°C (32°F to 113°F)	MAC Address Filtering	Allow a network administrator permit and deny network access to hosts associated with the MAC address (Enable / Disable). [CLI function]
Operation Humidity	10% to 90% (Non-condensing)	Firmware Upgrade	Support FTP/TFTP firmware update, backup and restore.
Storage Temp.	-40°C to 70°C		
Dimension	440mm (W) x 240mm (D) x 45mm(H)		
Installation	19 "EIA/TIA Rack design,		
EMI	FCC Class A, CE		
Safety	CE		
Warranty	2 years		
Software Specification			
Management	SNMP v1;partial v2c (except BUK); Console; Web		
Port configuration	Link speed, link mode, Port disable/Enable, Speed/Duplex, Port Flow control disable/Enable		

\*Future Release  
\*\*Optional

## ORDERING INFORMATION

- **LES-2224C-SFP.....P/N: 8820-100**  
24 100M SFP LC + 2 Gigabit combo SNMP/Web Switch

## OPTIONAL ACCESSORIES

### Mini GBIC (SFP)

- |  |  |
|--|--|
| ■ <b>8330-162</b> MINI GBIC 1000SX (LC/0.5km) Transceiver      | ■ <b>8330-188</b> LTSFP-1000BX-10KM Transceiver (WDM 1310) |
| ■ <b>8330-163</b> MINI GBIC 1000SX2 (LC/2km) Transceiver       | ■ <b>8330-189</b> LTSFP-1000BX-10KM Transceiver (WDM 1550) |
| ■ <b>8330-165</b> MINI GBIC 1000LX (LC/10km) Transceiver       | ■ <b>8330-186</b> LTSFP-1000BX-20KM Transceiver (WDM 1310) |
| ■ <b>8330-166</b> MINI GBIC 1000LHX (LC/40km) Transceiver      | ■ <b>8330-187</b> LTSFP-1000BX-20KM Transceiver (WDM 1550) |
| ■ <b>8330-169</b> MINI GBIC 1000XD (LC/60km) Transceiver       | ■ <b>8330-180</b> LTSFP-1000BX-40KM Transceiver (WDM 1310) |
| ■ <b>8330-167</b> MINI GBIC 1000ZX (LC/80km) Transceiver       | ■ <b>8330-182</b> LTSFP-1000BX-40KM Transceiver (WDM 1550) |
| ■ <b>8330-168</b> MINI GBIC 1000T (100m) Transceiver           | ■ <b>8330-181</b> LTSFP-1000BX-60KM Transceiver (WDM 1310) |
| ■ <b>8330-170</b> MINI GBIC 1000EZ (120m) Transceiver          | ■ <b>8330-183</b> LTSFP-1000BX-60KM Transceiver (WDM 1550) |
| ■ <b>8330-061</b> 100Base LX 30KM, Single-mode, LC Transceiver | ■ <b>8330-184</b> LTSFP-1000BX-80KM Transceiver (WDM 1490) |
| ■ <b>8330-060</b> 100Base FX 2KM, Multi-mode, LC Transceiver   | ■ <b>8330-185</b> LTSFP-1000BX-80KM Transceiver (WDM 1550) |

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