

Managed Modular Fibre Switches

24-Port 100M SEP-LEC + 2 Gigabit SEP-LC/TP Dual Media Ports Managed Switch



Key Features

- Supports in-band/out-of-band management
- Supports backpressure for half duplex and 802.3x flow control for full duplex
- Supports head of line blocking prevention
- Max switching capacity: 8.8G nonblocking at wired speed
- Supports per fiber port TX power ON/OFF: Link OFF, Fail-over port, port state OFF
- Supports text-/web-based in-band management through any Ethernet port and text-based out-of-band management through RS-232
- Supports short message and email for trap and alarm
- Supports per port power ON/OFF, ON sequence: 1->26
- Supports per port external loopback capability

- Supports port mirroring
- Support MIB II, Bridge MIB, Ethernet MIB, Enterprise MIB, RMON MIB group 1 2 3 9
- Supports port-based/802.1v and 802.1q tagged VLAN, up to 2k active VLANs
- Supports IP multicast with IGMP snoo-
- Supports Ethernet multicasting and broadcasting and flooding storm control
- Supports max of 50 allowed MAC address entries and 10 denied MAC address entries per FE port for port security
- Supports 802.1p CoS with 2 level priority
- Supports detection of temp. x 2, voltage, fans speed x 3
- Supports 3 fans: two embedded in power and one driven by two power
- Supports dual redundant pluggable power with loading share

LBS3020AE Series implements 24 100Mbps SEP (Simple Easy Plug)-LC fiber ports and 2 Gigabit dual media ports (SEP-LC/TP (fixed)), specifically designed for MTU (Multi-Tenant Unit) application.

It's fully compliant with the standards of IEEE 802.3/u/z/ab. With SNMP agent and web-based management, the network administrator can logon the switch to monitor, and configure. In addition, LBS3020AE abounds with functions, including QoS (Quality of Service), tag-/port-based VLAN, Port Trunking, Bandwidth Control, Port Security, Fail-over, RMON and IGMP snooping capability via the intelligent software. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications with security

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Specifications

Performance

- Bandwidth 8.8Gbps Switching Capacity
- Up to 2k active VLANs
- 256 IP multicast table entries
- Supports Packet length up to max of 1536 bytes long
- Supports 10k MAC address table

Standards Compliance

- IEEE 802.3u Fast Ethernet
- IEEE 802.3z Gigabit Ethernet
- IEEE 802.3ab 1000 Base-T
- IEEE 802.3x full-duplex flow control specification
- IEEE802.3ad Link Aggregation
- IEEE 802.1d/1w/1s STP
- IEEE 802.1p Class-of-Service
- IEEE 802.1q VLAN
- IEEE802.1v Protocol-Based VLAN
- SNMP
- RMON standards

Protocol Support

- 802.1d/1w/1s STP
- 802.3ad LACP
- 802.1g with GVRP/GMRP/GARP
- 802.1p priority queue
- IGMP snooping
- ARP, RARP, RIP, DHCP server/client/relay
- Telnet, BootP, TFTP, FTP, HTTPD, NTP

Network Management

- RFC 1213 MIB (MIB-II)
- Interface MIB
- Address Translation MIB
- IP MIB
- ICMP MIB
- TCP MIB_RFC 1493 Bridge MIB
- UDP MIB
- SNMP MIB

- RFC 1757 RMON MIB
 - Statistics Group 1
 - History Group 1
 - Alarm Group 3
 - Event Group 9
 - RFC 1493 Bridge MIB
 - RFC 1643 Ethernet MB
 - Enterprise MIB
- Maximum Switching Ports
 - 24 100 Mbps SEP-SC fiber Ports
 - 2 Gibabit dual media Ports

Led Indicate

- CPU Module: Power status
- UTP Ports
 - LNK/ACT: Port Link and Activity
- CPU run: CPU activity status
- Fibre Ports
- FE Fiber LNK/ACT: Port and Link Status
- GbE Fiber LNK/ACT: Port and Link Status

- GbE TP Ports
 - LNK/ACT: Port Link and Activity status
 - Speed: Port Speed Status

Power

Requirement:

- AC Power 90~300VAC.47-63 Hz
- DC -36 ~ 72VDC with two independent power cords
- Power Consumption: 63W

Environment

- Ambient Temperature: 0 ~ 50°C
- Humidity: 5 ~ 90%
- Dimensions: 442(W) x 366(D) x 44(H) mm (Standard 19" rack mount with 1U height)

Certification

FCC Part 15 Class A,CE Mark

Ordering information

ITEM CODE

24-Port 100M SEP/LC Fiber + 2 Gigabit SEP/LC Fiber/TP(Fixed) Dual Media Ports

AC Redundant Power LBS3010AE-2A	C
AC Simplex PowerLBS3010AE-A	
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DC Redundant PowerLBS3010AE-2D	C
DC Redundant PowerLBS3010AE-D	С
1U AC spare power moduleLBS3010AE-PS	Α
1U DC spare power moduleLBS3010AE-PS	D

100M Fiber Module

100Base-FX, LC, 2km MM 1310nm	LBS3021C-FXLC
100Base-FX, LC, 20Km SM 1310nm	LBS3021C-FX20
100Base-FX, LC, 60Km SM 1310nm	LBS3021C-FX60
100Base-FX, BiDi_LC, 20Km Single Fiber 1550nm	LBS3021C-FX20B
100Base-FX, BiDi_LC, 20Km Single Fiber 1310nm	LBS3021C-FX20A

Gigabit Fiber Module

1000Base-SX, LC, 2km MM 850nm	LBS3022C-SX
1000Base-LX, LC, 10Km SM 1310nm	LBS3022C-LX10
1000Base-LX, LC, 30Km SM 1550nm	LBS3022C-ZX30
1000Base-LX, LC, 50Km SM 1550nm	LBS3022C-ZX50
1000Base-LX, BiDi_LC, 20Km Single Fiber 1550nm	.LBS3022C-LX20B
1000Base-LX, BiDi_LC, 20Km Single Fiber 1310nm	. LBS3022C-LX20A

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