Dual Plug & Play Fiberoptic-Switches

Key Features

- 8K MAC address table , 256KBytes buffer memory
- Six RJ-45 (STP) ports for 10/100BASE-T/TX and two 100BASE-FX ports
- Redundant function for Fiber port
- Complies with IEEE802.3 and IEEE802.3u standards
- Supports N-Way protocol for 10BASE-T and/or 100BASE-TX connections
- Full/Half duplex mode operation
- One uplink Crossover port for switch to switch cascading
- Small size
- Store-and-forward switching mechanism
- Automatic filtering of fragmented and CRC errored packets
- Extensive LED indicators for network diagnostics
- External power adapter

This device is a powerful, high-performance Ethernet/Fast Ethernet Switch with two fiber uplink ports. Twisted pair ports are capable of 10 or 100Mbps auto-negotiation operation (N-Way). 100Mbps according to the 100BASE-FX standard are supported on the fiber interface. The LBS208AE-2FX is an ideal solution for micro-segmenting large networks into smaller sub-nets for overall improved performance, so enabling the most demanding bandwidth multimedia and imaging applications. Moreover, the 10/100Mbps autosensing capability provides an easy way in which to move from a 10Mbps to a 100Mbps network.

Compared with shared 10Mbps or 100Mbps networks, this N-Way switch delivers a dedicated 10/100Mbps connection to every attached client unit with no bandwidth congestion problems. Store-andforward switching modes guarantee low latency and fast data transmission. Full-duplex mode allows the simultaneous transmission and reception of frames without the risk of collisions as well as a doubling of the network bandwidth.

Specifications

Standards —
IEEE802.3 and IEEE802.3u standards
Interface —
Six 10/100Mbps RJ-45 (STP) N-Way ports; Two 100Mbps FX (SC or ST) ports.
Protocol Support —
Speed: 10Mbps (10BASE-T) and 100Mbps; 100BASE-TX/100BASE-FX)
Operation mode: Full and half duplex
Filtering/Forwarding Rate —
10Mbps: 14,880pps/14,880pps
100Mbps: 148,800pps/148,800pps
Buffer Memory — Totally 256KByte
Uplink Port —
One crossover uplink port (alternative to port No.1 supports Switch or Hub connections
LED indication —
System: PWR, PRI FX, SEC FX
Port: LNK/ACT, FDX/COL, 100M

Fiber port redundancy —
One redundant Fiber group
Fiber port specification —
Supports SC or ST for multimode and SC for single mode applications
Power — External power adapter (Input:100-240V, 0.5A,50-60Hz Output: 12~24V DC 2A)
Operating Temperature —
0° - +60° C
Humidity — 10-90% non condensing
Safety Standards —
FCC Part 15 Class A, CE
Dimension —
185 x 111 x 32 mm (WxDxH)
Weight —
300g (Net Weight)

Fiber Optic Details

LBS208AE-2FXSC/ST
Connector Type — SC/ST
Fiber Type — Multimode
Wave Length — 1310nm
Typical distance — 2 km
Min TX PWR — -19.0 dBm
Max TX PWR — -14.0 dBm
Sensitivity — -30.0 dBm
Link Budget — 11.0 dB

LBS208AE-2FXSCSM25
Connector Type — SC
Fiber Type — Singlemode
Wave Length — 1310nm
Typical distance — 25 km
Min TX PWR — -15.0 dBm
Max TX PWR — -7.0 dBm
Sensitivity — -34.0 dBm
Link Budget — 19.0 dB

Ordering information

ITEM	CODE
100BASE-FX, MM 2 km, SC	LBS208AE-2FXSC
100BASE-FX, MM 2 km, ST	LBS208AE-2FXST
100BASE-FX, SM 25 km, SC	LBS208AE-2FXSCSM25