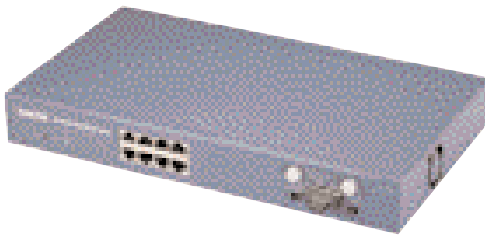


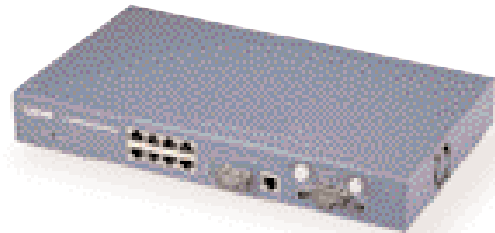
BLACK BOX[®]

NETWORK SERVICES

Managed Modular Ethernet Switches



LBS3041AE



LBS3042AE

Key Features

- ▶ Eight 10/100Mbps Fast Ethernet TP ports with auto MDIX
- ▶ One hot-swappable module slot for various Ethernet media
- ▶ Supports in-band/out-of-band management
- ▶ Supports 802.3x flow control for full duplex ports. Supports backpressure for half duplex ports
- ▶ Per port external loop-back capability
- ▶ Max throughput: 3.6Gbps non-blocking switching at full duplex and wire speed
- ▶ Supports up to 64 active tagged VLANs
- ▶ IP multicast: IGMP snooping
- ▶ Supports 802.1p priority QoS
- ▶ Supports up to 8 FE versatile port trunkings
- ▶ Supports illegal intrusion/access report
- ▶ Supports broadcast storm prevention
- ▶ Port mirroring
- ▶ Supports text-/web-based and SNMP manager management
- ▶ Supports Telnet, HTTPd, TFTP, DHCP client, SMTP
- ▶ Supports SNMP and RMON probing
- ▶ Support MIB II, Bridge MIB, Ethernet MIB, Enterprise MIB, RMON MIB group 1,2,3,9
- ▶ Supports short message (SMS) and e-mail for trap and alarm
- ▶ Supports network time sync
- ▶ Supports system log



The Blackbox LBS3040AE Series is specifically designed for MAN application. It implements 8 Fast Ethernet TP ports, one 1000Mbps TP/Fiber dual media port (LBS3042AE) and one module slot with various removable modules.

The dual media port implements one fiber and one autosensing copper port at the same time.

With SNMP agent and web-based management, the network administrator can logon the switch to monitor, configure activities in the device. In addition, the switch implements the QoS (Quality of Service), rapid spanning tree, tagged VLAN, Trunk, Port Security, RMON and IGMP capability via the intelligent software. The overall network management is enhanced and the network efficiency is also improved to accommodate high bandwidth applications.

Specifications

Performance

Switching Capacity —
LBS 3041AE: 3,6 Gbps
LBS 3042AE: 5,6 Gbps

VLAN — 64 active
IP multicast table entries — 1K

Standards Compliance

- IEEE 802.3 /u /ab /z /x /ad
- IEEE 802.1D /w /p /Q /v /x / advanced 802.1x
- SNMP
- RMON standards

Protocol Support

- UDP RFC 768
- TFTP RFC 783
- IP RFC 791
- ICMP RFC 792
- TCP RFC 793
- GVRP
- SMTP RFC 821
- Telnet RFC 854
- HTTP RFC 2068
- DHCP RFC 2131 / RFC 2132
- IGMP

Network Management

- RFC 1213 MIB (MIB-II)
 - Interface MIB
 - Address Translation MIB
 - IP MIB
 - ICMP MIB
 - TCP MIB
 - UDP MIB
 - SNMP MIB
- RFC 1757 RMON MIB
 - Statistics Group 1
 - History Group 2
 - Alarm Group 3
 - Event Group 9
- RFC 1493 Bridge MIB
- RFC 1643 Ethernet MIB
- Enterprise MIB

Led Indicate

- POWER: Power status
- UTP Ports
 - LNK/ACT: Port Link and Activity status
 - 100Mbps: Port Speed status
 - FDX/COL: Port Duplex and Collision status

Power

- Requirement: AC Power 90 ~ 300VAC, 47 ~ 63Hz
- Power Consumption: 20W

Environment

- Ambient Temperature: 0 ~ 50°C
- Humidity: 5 ~ 90%
- Dimensions: 330(W) x 189(D) x 44(H) mm (Standard 13" rack mount with 1U height)

Certification

FCC Part 15 Class A,CE Mark

Ordering information

ITEM

CODE

SNMP Ethernet Switch mit (1) Erweiterungslot

8x10/100 Base-TXLBS3041AE
8x10/100 Base-TX, 1xDual Media GigabitLBS3042AE

Gigabit Module

1000 Base-TXLBS30GC-T
1000 Base-FX, MM, SCLBS30GC-MC
1000 Base-FX, SM 10km, SCLBS30GC-S1
1000 Base-FX, SM 30km, SCLBS30GC-S3
1000 Base-FX, SM 50km, SCLBS30GC-S5
1000 Base-FX, A WDM 20km, SCLBS30GC-A2
1000 Base-FX, B WDM 20km, SCLBS30GC-B2

Megabit Module 100 Base-FX

Multimode, STLBS30HC-MT
Multimode, SCLBS30HC-MC
Singlemode 5km, SCLBS30HC-S0
Singlemode 20km, SCLBS30HC-S2
Singlemode 60km, SCLBS30HC-S6
A WDM 20km, SCLBS30HC-A2
B WDM 20km, SCLBS30HC-B2

Black Box Network Services - The world's largest network services company

We are, with 25 years of experience, the world leader in network infrastructure services.

On the Phone — no charge, answer calls in less than 20 seconds, find the right product with our technical experts.

On-site — superior design and engineering, Certified installations, end-to-end service.

On-line — receive technical knowledge on-line, including technology overviews, Black Box Explains and the Knowledge Box.

Most comprehensive TECHNICAL SUPPORT — our best Product! Free hotline TECH SUPPORT!

The world's best customer service — Custom design services and products, the best warranties, money-saving discount programs.

BLACK BOX exclusives — Certification Plus. Guaranteed-for-life products and services.