BLACK BOX®

NETWORK SERVICES

Managed 24-Port 10/100Mbps plus 2 Gigabit Slots Switch

Key Features

- Non-blocking, full-line speed, store-and-forward, Layer 2 switch

- Auto-Negotiation and Auto-MDIX on all 10/100/1000M copper ports

- 24 10/100 RJ-45 ports, and optional 2 Gigabit port module with copper ports or fiber ports

- 3Mbyte packet buffer and 1Mbyte control buffer

- Up to 14K MAC entries and 4K VLAN entries

- Support flow control for both half- or full-duplex operation

- Support Head-of-Line blocking prevention

- Support broadcast storm filtering

- Support port-based VLAN and 802.1Q tag-based VLAN

- Support 802.1v protocol-based VLAN classification Support IP Multicast, IGMP snooping

- Support 2-level priority queuing

- Support Port-Trunking with flexible load distribution control and fail-over functions

- Provide 7 trunk groups of up to 4 member ports within 26 ports

- Support ingress port security mode

- Support RMON group 1,2,3,9

- Support Web/SNMP managed function with friendly user interface

- LED display for each port status: link, activity and speed

- LED display for fan status: normal or fail

Managed 24-Port 10/100Mbps Switch with support for up to 2 additional Gigabit Ports

Black Box's LBS1226AE is a high-performance managed Layer 2 switch that provides an ideal solution for workgroups and departments. The LBS1226AE has (24) 10/100Mbps Fast Ethernet ports with support for optional Gigabit modules for fast connection speeds and flexibility.

High-Performance, high availability L2 switching

Utilizing a high performance switch fabric and support for 14'000 MAC addresses, the LBS1226AE is a wire-speed, high performance departmental switch. The LBS1226AE supports port trunking with up to 7 trunk groups. Each trunk group can support up to (4) 10/100 links or (2) Gigabit links can be combined together to create a multi-link load-sharing connection. Port trunking enables business users to increase availability and aggregated bandwidth between servers and/or other switches, optimizing the transport of all your business critical data.

Investment protection

By widely supporting IEEE approved specifications, the LBS1226AE leverages your existing investment in a multi-vendor environment, while maximizing compatibility of mission critical features like, spanning tree (802.1d), QoS (802.1p), VLANs(802.1v/802.1q) and network management (SNMP/RMON/ BOOTP/Telnet/Web).
Black Box's LBS1226AE robust support of standards based network management protocols (SNMP/RMON/Telnet/Web) and port mirroring enables the LBS1226AE to be easily integrated into many third-party network management packages.

Advanced enterprise features

The LBS1226AE brings advanced enterprise functions to a more affordable level while supporting advanced features: 802.1p, 802.1x, IGMP, and 802.1q. These features facilitate the deployment of applications across an enterprise such as: VOIP, streaming media, and multicast content delivery (IP video conferencing, software deployment…).

Specifications

Standard —
IEEE 802.3 10BaseT Ethernet,
IEEE 802.3u 100BaseTX Fast Ethernet,
IEEE 802.3ab 100BaseTX Fast Ethernet,
IEEE 802.3z 1000BaseSX/LX Gigabit
Ethernet,
IEEE 802.3x flow control,
IEEE 802.1D Spanning Tree,
IEEE 802.1P Priority Control,
IEEE 802.1Q VLAN,
IEEE 802.1v port-based VLAN,

Connector — 24x100BaseTX RJ-45
STP Ethernet port (switched ports)
2x1000BaseTX RJ-45 connector ports,
or 2x1000BaseSX/LX fiber ports,
1xRS232 connector

Data RAM Buffers — 1Mbyte for
control
3Mbyte for packet buffers

Diagnostic LEDs —
1 power LED: Green (normal),
1 self-diagnostic LED: Blinking during
power-on-diagnostics,
Port LEDs: 1~ 24 ports, left corner of
each RJ-45 port,
Green (Link ok), Blinking (Activity)
Speed LEDs: 1 ~ 24 ports, right corner of
each RJ-45 port,
Green (100M), Vanish (10M)
FAN LEDs: FAN1 Red (left side fan fail),
FAN2 Red (right side fan fail)
Gigaport module LEDs: Orange(10M
Link ok), Green (100M link ok), both
Orange & Green (1000M link ok),
Blinking (Activity)

Power — 100 ~ 240VAC 50/60Hz

Dimensions —
LxWxH 44x184x44 mm

Temperature —
Operating: 0C ~ 45C
Storage: -20C ~ 70C

Emission — FCC Part 15 Class A
CE mark Class A

Humidity —
Operating: 10% ~ 90% RH
Storage: 5% ~ 90% RH

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 secounds, find the right product with our technical experts.

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

On-line — receive techincal 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. Guaranted-for-life products and services.

Ordering information

ITEM	CODE
Switch 24 x 10/100Mbps, 1 Giga-Slot	.LBS1226AE
Module 2 x 1000BASE-T	.LBS1226C-2T
Module 2 x 1000BASE-SX	.LBS1226C-2SX