



BLACK BOX®

NETWORK SERVICES

Switches



Key Features

- ▶ 10-/100-/1000-Mbps switches available in desktop or rackmount models.
- ▶ Gigabit uplinks available.
- ▶ Store-and-forward switching.
- ▶ Autosensing per port.
- ▶ CRC filtering and error checking.
- ▶ Half-or full-duplex operation.
- ▶ 8K address memory and 1-MB buffer memory.
- ▶ VLAN support.
- ▶ LED display for monitoring and network status diagnostics.

Our economical 10-/100-Mbps NWay Switches are perfect when combined with our Fibre Gigabit Ethernet Modules. They protect your investment in 10-Mbps devices while extending the distance and performance of your 100-Mbps environment. All ports are autosensing and forward data packets at the appropriate speeds.

Add PCI cards for Gigabit to the desktop and fibre Gigabit modules for network backbones.

These Ethernet switches require no hardware or software configuration, so they're extremely easy to install—just plug in your power cable and your Ethernet connector, and you are ready to go!

With fast transmission capabilities, minimum delay and full-duplex support, your network's performance is assured.

NWay 10-/100-Mbps autonegotiation

All ports on the NWay Switches support NWay 10/100 autonegotiation. This way, they're compatible with your 10-Mbps network devices that aren't immediately

cost-effective to upgrade and, at the same time, offer 100-Mbps performance for servers, cascaded and high-speed workstations and workgroups.

800-Mbps server connections (LBS224AE-R2 & LBS232AE-R2)

With the 24- and 32-port switches, you can concentrate four 100-Mbps full-duplex connections to get up to 800 Mbps of bandwidth to servers with NICs that support trunking. For additional information, contact Tech Support.

Optional fibre connectivity (on LBS216AE & LBS224AE-R2)

To link networks in different buildings or to run cable through an electronically noisy area (near power cables or fluorescent lights, for example), the fibre modules offer the best solution. And because the modules support full-duplex switched Ethernet, you can cover a full 2 km over 62.5/125 multimode fibre without the conversion distance limitations associated with copper or the round-trip delay limitations of half-duplex 100-Mbps fibre.

Store-and-forward switching

All of the NWay Switches support store-and-forward switching, a switching technique that ensures optimum data reliability throughout your network. Each packet undergoes a CRC check and is discarded if it fails. Because the signal is completely regenerated, traditional 100-Mbps distance limitations and repeater rules aren't a problem.

Desktop or rackmount

The desktop NWay Switches are compact and rugged enough to hide under the desk. The rackmount units include 19" (48.3-cm) rackmounting brackets or can be placed on the deck without the brackets.

Specifications

Bridging — IEEE 802.3x-based flow control

Distance — CAT5 cable: Up to 100 m; Multimode fibre cable: Up to 220 m @ 62.5/125 nm, up to 550 m @ 50/125 nm

Operation — Half- or full-duplex

Standards — IEEE 802.3, IEEE 802.3u, IEEE 802.3z

Switching Method — Store-and-forward

Connectors — Per port:
10BASE/100BASE-TX: RJ-45;
1000BASE-SX: (1) pair SC or ST

Power — 100–240 VAC, 50–60 Hz, internal autosensing power supply unit

Choose the right Switch for your Application

Produkt	10/100Base-TX Ports	100Base-FX Ports	1000Base Ports	VLAN	Management	Rack mountable	Masse in cm H x B x T	Stromversorgung
LBS208AE-R5	8	-	-	-	-	-	2,6 x 15,9 x 10,3	intern
LBS208AE-FXST	7	1x ST	-	-	-	✓	4,5 x 33,0 x 23,0	intern
LBS208AE-FXSC	7	1x SC	-	-	-	✓	4,5 x 33,0 x 23,0	intern
LBS217AE-R3	16	-	-	-	-	✓	4,5 x 27,4 x 17,4	intern
LBS216AE	16	1x optional ST oder SC	-	✓	via Seriell-Port	✓	4,5 x 44,0 x 20,5	intern
LBS224AE-R2	24	1x optional ST oder SC	-	✓	via Seriell-Port	✓	4,5 x 44,0 x 20,5	intern
LBS224AE-2FXST-R3	24	2x ST	-	-	-	✓	4,5 x 44,0 x 20,5	intern
LBS224AE-2FXSC-R3	24	2x SC	-	-	-	✓	4,5 x 44,0 x 20,5	intern
LBS232AE-R2	32	-	-	✓	via Seriell-Port	✓	4,5 x 44,0 x 19,2	intern
LBS1008-MMTP	8	-	1x 1000Base-SX SC	-	-	✓	5,6 x 44,0 x 20,0	intern
LBS1008-MMST	-	8x ST	1x 1000Base-SX SC	-	-	✓	5,6 x 44,0 x 20,0	intern
LBS1008-MMSC	-	8x SC	1x 1000Base-SX SC	-	-	✓	5,6 x 44,0 x 20,0	intern
LBS1024AE	24	-	optional 1x 1000Base-SX SC oder 1x 1000Base-LX SC	✓	SNMP/WEB	✓	4,5 x 44,0 x 23,5	intern
LBS1108AE	-	-	6x 10/100/1000Base-T & 2x 1000BaseT/SX/LX optional best. LBS1110AE(T) od. LBS1101C-SC (SC)	✓	via Seriell-Port	✓	4,5x44,0x22,0	intern
LBS1110AE	8	-	2x 1000base-TSX/LX optional	✓	-	✓	4,5x44,0x22,0	intern

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