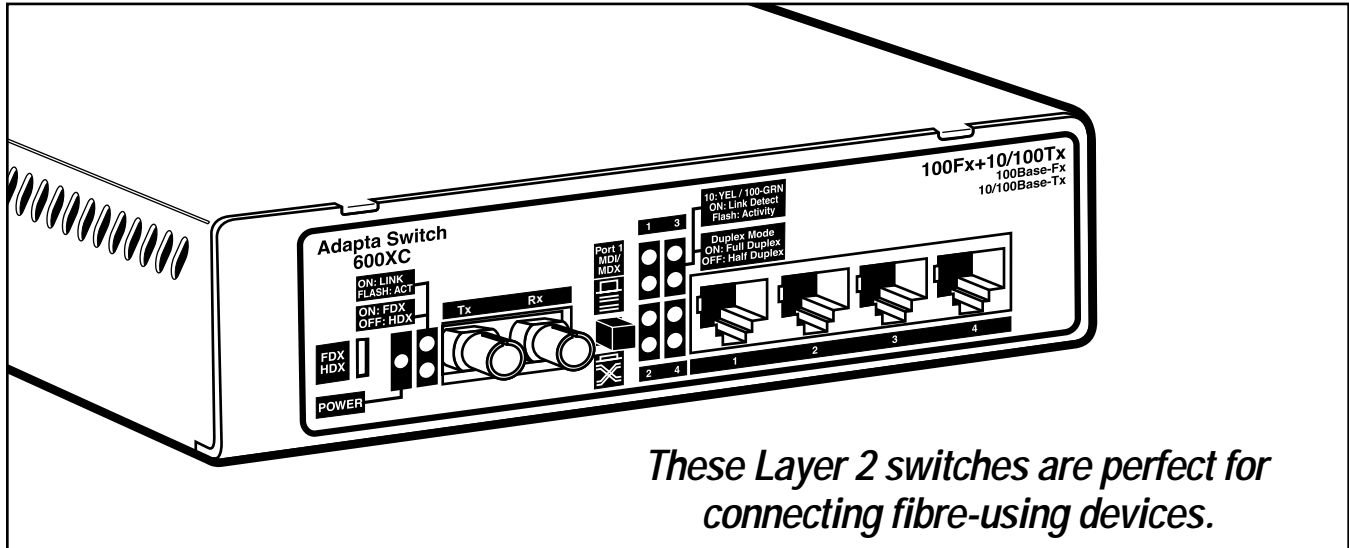


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BLACK BOX[®]

NETWORK SERVICES

ADAPTASWITCH 600XC



These Layer 2 switches are perfect for connecting fibre-using devices.

Key Features

- ▶ **Support for multimode or single-mode fibre in half- or full-duplex operation.**
- ▶ **Automatically negotiates half- or full-duplex capability on all ports for increased bandwidth.**
- ▶ **Enhances overall network performance by discarding corrupted packets.**
- ▶ **Maintains data integrity by controlling the flow of data.**
- ▶ **Plug-and-play installation.**

Having problems adjusting to the rapid growth of your network? Let the AdaptaSwitch 600XC make the transition easy for you.

The AdaptaSwitch supports port management and half- or full-duplex operation over autosensing 10-/100-Mbps UTP or 100-Mbps fiber ports, allowing for efficient network expansion. And each AdaptaSwitch uses store-and-forward switching with the capacity to learn and age 1000 MAC addresses. Aging MAC addresses allows the Switch to drop those not in use, making room for addresses that require more attention.

Wire-speed network operation can be achieved by combining a 1-MB memory buffer with an 802.3x flow control packet filtering and forwarding mechanism that drops corrupt

data. And the AdaptaSwitch GX is even better—a 2-MB buffer with the ability to learn and age 2000 MAC addresses.

Different AdaptaSwitch models perform different functions, so it's up to you to decide which switch suits your specific needs.

4 FX Ports (LB6531A)

This 4-port fiber switch was made for cross-town shared or switched Ethernet backbone connections. Or connect up to four standalone Ethernet switches in full-duplex mode by letting it serve as a collapsed backbone switch.

When functioning as a repeater or media converter, it can easily support both multimode or single-mode fiber.

2 FX/2 TX Ports (LB6541A)

If you're making the jump from 10-Mbps Ethernet to Fast Ethernet, this is the switch for you.

Designed with two UTP drop-off/insertion points for connections to switches, servers, and other workstations, this AdaptaSwitch can also serve as a switched fiber repeater through its pair of fiber ports. It's also capable of sending data at up to 28 kilometers over single-mode fiber.

This Layer 2 switch uses store-and-forward technology with 1-MB buffer memory, able to simultaneously support a full wire-speed of 148,800 64-byte packets per second.



(continued from page 1)

1 FX/4 TX Ports (LB6551A)

With four 10-/100-Mbps UTP ports and one 100BASE-FX fiber port, this switch is ideal for bridging the gap between backbone switches and small workgroups.

Primarily used as a backbone to connect segments (switched or shared) using fiber, these 2- and 4-port Fast Ethernet switches are able to support 100BASE-FX and IEEE 802.3 specifications.

This AdaptaSwitch is able to support distances of 412 m in half-duplex mode and up to 58 km in full duplex.

2 GX Ports (LB6610A)

This multi-function switch is perfect for providing high-bandwidth capacity to networks over large geographical areas. In addition to its high-powered switching capabilities, this AdaptaSwitch can also serve as a repeater, fiber converter, or distance extender.

The Switch can also extend network distances and change fiber options such as multimode short-wavelength (Sx) and single-mode long-wavelength (Lx) fiber.

Every port on the 2 GX Port switch can learn and age MAC addresses, with the ability to examine and discard old addresses to make room for newer ones.

Specifications

Buffer Size — All models except LB6610A: 1 MB; LB6610A: 2 MB

Distances — UTP ports: 328 ft. (100 m); Fiber ports (except LB6610A): Half-duplex: 412 m (1350 ft.); Full-duplex: Multimode: 2 km (1.2 mi.); Single-mode: 28 km (17.4 mi.); LB6610A: Multimode, 850 nm: 50 μ/500 MHz; 550 m (1804.5 ft.); 50 μ/400 MHz: 500 m (1640.4 ft.); 62.5 μ/200 MHz: 275 m (902.2 ft.); 62.5 μ/160 MHz: 220 m (721.8 ft.); Single-mode: 1300 nm/9 μ: 5 km (3.1 mi.); 1300 nm/9 μ: 20 km (12.4 mi.); 1550 nm/9 μ: 50 km (31.1 mi.)

MAC Addresses — All models except LB6610A: 1000; LB6610A: 2000

Connectors — LB6531A: (4) pairs of ST; LB6541A: (2) pairs of ST, (2) RJ-45; LB6551A: (1) pair of ST, (4) RJ-45; LB6610A: (2) pair of SC

Indicators — (2) fiber ports: (1) link/activity; (1) Half-/Full-Duplex; (1) UTP port: 10/100 Mbps

Power — 110–230 VAC, 50–60 Hz, 300 mA

Size — 1.75"H x 6.5"W x 8"D (4.4 x 16.5 x 20.3 cm)

Weight — 1.5 lb. (0.7 kg)

Ordering Information

ITEM	CODE
AdaptaSwitch 600XC	
4 FX Ports.....	LB6531A
2 FX/2 TX Ports	LB6541A
1 FX/4 TX Ports	LB6551A
2 GX Ports.....	LB6610A

