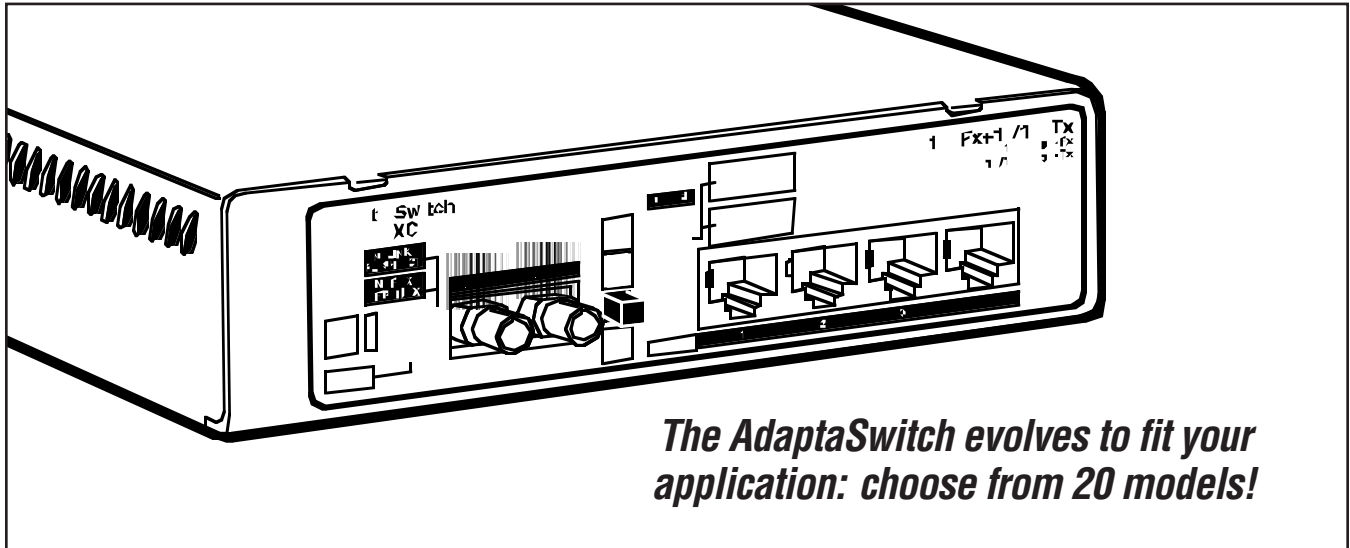




# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### ADAPTASWITCH



*The AdaptaSwitch evolves to fit your application: choose from 20 models!*

### Key Features

- ▶ **Models available with SC or ST connectors.**
- ▶ **Supports relevant Ethernet standards, including 10BASE-T, 100BASE-T, 100BASE-TX, 100BASE-FX, and 1000BASE-TX.**
- ▶ **Functions independently of software.**
- ▶ **Includes an internal 100- to 230-VAC autosensing power supply.**

The AdaptaSwitch lets you connect many types of Ethernet segments to the backbone of your network. It's perfect for migrating to higher speeds.

Choose from switches to migrate from legacy Ethernet (10BASE-T), to Fast Ethernet (10/100-Mbps UTP or 100-Mbps fibre), or Gigabit Ethernet (1000 Mbps). The following models are available:

- (4) 100BASE-FX ports
- (2) 100BASE-FX and (2) UTP ports
- (1) 100BASE-FX and (4) UTP ports
- (2) Gigabit ports

Each model comes with your choice of connectors: SC or ST.

You can use the 100BASE-FX switches as a backbone switch for connecting switched or shared segments using fibre.

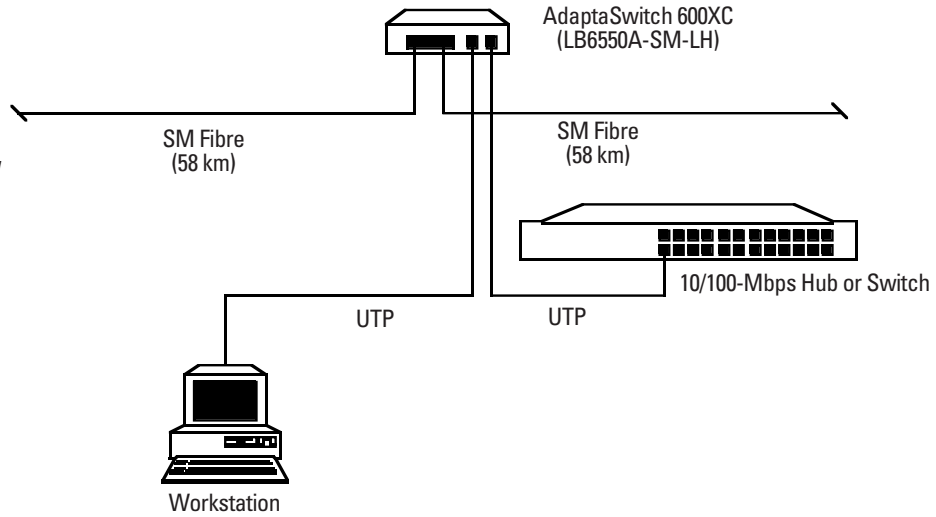
The (2) 100BASE-FX/(2) 10/100 BASE-TX switch provides two UTP drop-off/insertion points for connections to other workstations, servers, and switches, while functioning as a switched fibre repeater via two fibre ports.

The (1) 1000BASE-X/(4) 10BASE-T/100BASE-TX switch provides Layer 2 switching. It delivers UTP and fibre switching bandwidth to 10/100 Ethernet and Fast Ethernet for distributed and small workgroup applications.

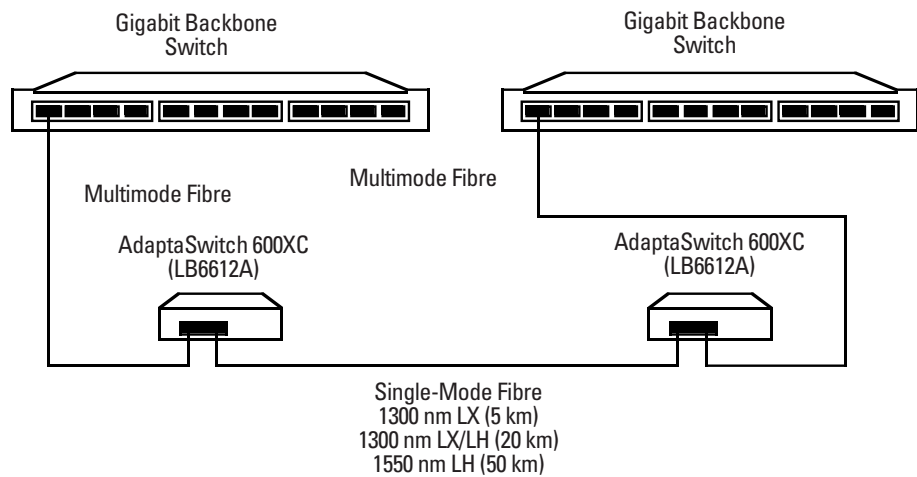
The (2) GX switch is a 2-port Gigabit Ethernet fibre switch you can use as a repeater for connecting switched or shared segments and devices using fibre. It can maximize and extend network distances and be used as a fibre converter to convert between different fibre options, such as multimode short-wavelength (SX) and single-mode long wavelength (LX) fibre.

All models of the AdaptaSwitch are software independent and are available with an internal power supply.

**Connect two fibre segments using AdaptaSwitch 600XC's switched fibre ports.**



**Connect two Gigabit Ethernet backbones using multimode fibre. Connect the two switches via single-mode fibre using a pair of AdaptaSwitch 600XC Gigabit Repeater/Converters.**



## Specifications

**Buffer Size:** LB6610A, LB6612A–LB6614A, LB6623A–LB6624A: 2 MB; All other models: 1 MB

**Distances:** UTP ports: 100 m (328 ft.);

**Fibre ports:** LB6610A, LB6612A–LB6614A, LB6623A–LB6624A: Multimode SX, 850 nm: 50 µ/500 MHz: 550 m (1804.4 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 (721.7 ft.);

Single-Mode LX, 1300 nm, 9 µ: 5 km (3.1 mi.);

Single-Mode LX/LH, 1300 nm, 9 µ: 12.4 mi. (20 km); Single-Mode LH, 1550 nm, 9 µ: 50 km (31 mi.);

**Fibre ports (all other models):**

Multimode LX, 1300 nm: Half-duplex: 412 m (1351.7 ft.), Full-duplex: 2 km (1.2 mi.); Single-Mode LX, 1300 nm: Half-duplex: 412 m (1351.7 ft.), Full-duplex: 28 km (17.3 mi.); Single-Mode LX/LH, 1300 nm: Half-duplex: 412 m (1351.7 ft.), Full-duplex: 58 km (36 mi.)

**MAC Addresses:** LB6610A, LB6612–LB6614A, LB6623A–LB6624A: 2000; All other models: 1000

**Connectors:**

LB6530A: (4) pairs SC; LB6531A: (4) pairs ST; LB6540A: (2) pairs SC, (2) RJ-45; LB6541A-SM: (2) pairs of SC, (4) RJ-45; LB6550A: (1) pair of SC, (4) RJ-45; LB6551A-SM: (1) pair of ST, (4) RJ-45; LB6610A, LB6612–LB6614A, LB6623A–LB6624A: (2) pairs SC

**Indicators:** (2) fibre ports: (1) Link/Activity, (1) Half-/Full-Duplex; (1) UTP port: 10/100 Mbps

**Power:** 110–230 VAC, 50–60 Hz, 300 mA

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

**Weight:** 0.7 kg (1.5 lb.)

# Ordering Information

ITEM	CODE
<b>AdaptaSwitch 600XC, (4) 100BASE-FX Ports</b>	
(4) SC, Multimode Ports.....	LB6530A
(4) SC, Single-Mode Ports .....	LB6530A-SC
(4) SC, Long-Haul, Single-Mode Ports.....	LB6530A-SM-LH
(4) ST, Single-Mode Ports.....	LB6531A-SM
<b>AdaptaSwitch 600XC, (2) 100BASE-FX, (2) UTP Ports</b>	
(2) SC, Multimode Ports/(2) 10BASE-T/100BASE-TX Ports .....	LB6540A
(2) SC, Single-Mode Ports/(2) 10BASE-T/100BASE-TX Ports.....	LB6540A-SM
(2) SC, Long-Haul, Single-Mode Ports/(2) 10BASE-T/100BASE-TX Ports.....	LB6540A-SM-LH
(2) ST, Single-Mode Ports/(2) 10BASE-T/100BASE-TX Ports.....	LB6541A-SM
<b>AdaptaSwitch 600XC, (1) 100BASE-FX, (4) UTP Ports</b>	
(1) SC, Multimode Port/(4) 10BASE-T/100BASE-TX Ports .....	LB6550A
(1) SC, Single-Mode Port/(4) 10BASE-T/100BASE-TX Ports.....	LB6550A-SM
(1) SC, Long-Haul, Single-Mode Port/(4) 10BASE-T/100BASE-TX Ports.....	LB6550A-SM-LH
(1) ST, Single-Mode Port/(4) 10BASE-T/100BASE-TX Ports.....	LB6551A-SM
<b>AdaptaSwitch 600XC Gigabit Repeater/Converter, SC Connectors</b>	
(2) LX, Single-Mode Ports.....	LB6610A-LX
(2) LX, Long-Haul, Single-Mode Ports.....	LB6610A-L
(2) LLX, Long-Haul, Single-Mode Ports.....	LB6610A-LLH
(1) SX, Multimode Port/(1) Single-Mode Port .....	LB6612A
(1) SX, Multimode Port/(1) LX, Long-Haul, Single-Mode Port.....	LB6613A
(1) SX, Multimode Port/(1) LLX, Long-Haul, Single-Mode Port.....	LB6614A
(1) LX, Single-Mode Port/(1) LX, Long-Haul, Single-Mode Port .....	LB6623A
(1) LX, Single-Mode Port/(1) LLX, Long-Haul, Single-Mode Port.....	LB6624A
<b><u>Remember to order cables...</u></b>	
Category 5 Patch Cable, 100-MHz, 4-Pair, Straight-Pinned, PVC, Beige, 3.0-m (10-ft.) .....	EVMSL05-0010
Category 5 Solid-Conductor Cable, 4-Pair, Straight-Pinned, PVC, 3.0-m (10-ft.).....	EYN737MS-0010
Duplex Fibre Optic Cable, PVC, ST-ST, Custom Lengths .....	EFN062-CC

## What the Package Includes

- AdaptaSwitch
- Internal power supply
- Users' manual



Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.