



BLACK BOX[®]

NETWORK SERVICES

10/100 Fibre-to-the Office Switches



Key Features

- ▶ 5-Port Switch, (4) 10/100Base-TX, (1) 100Base-FX
- ▶ Low installation effort thanks to Snap-In-Mounting
- ▶ Compact Dimensions for installation in Sub Floors and Cable Raceways
- ▶ Built-in Management Agent for Web-based, Telnet and SNMP Management
- ▶ GUI Management Tool for efficient graphical configuration, administration and management
- ▶ Supports VLANs and Data prioritising for VOIP applications (QoS)

Compact Form Factor

The FTTO switch form factor is based on a basic dimension of 2 squares of 45 by 45 mm. In this way, Black Box offers the most compact design of an (intelligent) installation network switch available on the market.

Cabling Installation Switches

Due to this small size, it is possible to install the switch in international used installation systems such as System Mosaic™ of Legrand®. One of the main advantages of this switch is the reduced installation effort, which is 50 % lower compared to a standard system. An installer doesn't need to fix the switch with screws. He can just click the switch into special installation boxes or conducts. AC Power is supplied through the same cable race way or sub floor as the data cabling.

Fibre-to-the-Office (FTTO)

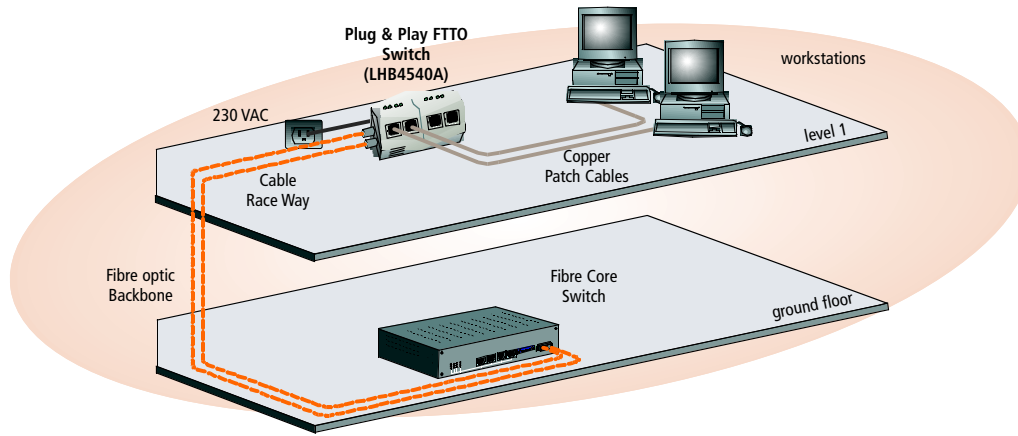
This is the ideal switch to integrate into Fibre-to-the-Office applications. In this type of installations, fibre cabling is installed starting from the patch panel and running through the cable ducts or sub floor systems. The fibre is then terminated and connected to the Installation Switch, hence creating an active outlet of (4) 10/100 Switched Ethernet Copper ports. (see diagram)

Intelligent Features

Apart from a Plug and Play version of the switch, there is also an "intelligent" version offering a variety of management & configuration features.

What's included:

- (1) Switch
- (1) Manual on CD-ROM
- (1) Device Manager software on CD-ROM for Intelligent versions only (LHB455X)



Specifications

All versions

Standards —
IEEE 802.3 10Base-T Ethernet; IEEE 802.3u 100Base-TX, 100Base-FX Fast Ethernet

Switching Mechanism —
Store-and-Forward

Indicators —
Per copper port: LEDs indicating Link, Activity; Per fibre port: LEDs indicating Link, Activity, FDX/HDX; Per switch: Power LED

MAC addresses —
1KB MAC address entries

Number of ports —
(4) 10/100Mbps auto-negotiation MDI/MDX Copper ports; (2) 100Mbps Fibre Duplex SC/ST, Multimode or Single Mode

Connectors —
data: (4) RJ-45 STP + (1) Fibre duplex ST/SC; power: 3-position terminal block

Temperature Tolerance —
Operating: 0-50°C; Storage: -20 to +85°C

Humidity Tolerance —
Operating: 5 to 80% non-condensing

Power —
100-240 VAC, 50-60 Hz, 5VA

Size —
45H x 90W x 58D mm

Weight —
0.25 Kg

Safety and EMI certificates —
CE

Intelligent versions only (LHB455X)
Management —
Configuration: through included Device Manager Software; or through TELNET & SNMP with the optional Extended Firmware Package (LHB8200-FW11)

Monitoring: through Web browser or Device Manager; or through TELNET & SNMP with optional Extended Firmware Package.

Software configuration settings —
Port on/off; autonegotiation on/off; autocross on/off; speed, H/FDX; Data prioritisation (QoS): 4 priority queues, Hardware-based (fixed port priority), VLAN Tag-based (IEEE 802.1P/Q) and IP-based (Diffserv Codepoints); VLAN filtering, max. 16 VLANs per Switch, Port VLAN tagging/untagging.

In-field firmware update via Device Manager Software or TFTP upload.

Ordering information

ITEM

CODE

Plug & Play FTTO Switch

(4) STP ports + (1) fibre port MM STLHB4540A
(4) STP ports + (1) fibre port MM SCLHB4541A
(4) STP ports + (1) fibre port SM STLHB4545A
(4) STP ports + (1) fibre port SM SCLHB4546A

Intelligent FTTO Switch

(4) STP ports + (1) fibre port MM STLHB4550A
(4) STP ports + (1) fibre port MM SCLHB4551A
(4) STP ports + (1) fibre port SM STLHB4555A
(4) STP ports + (1) fibre port SM SCLHB4556A

ITEM

CODE

Extended Firmware Package

(SNMP & Telnet support)
for Intelligent FTTO Switch onlyLHB8200-FW11

Accessories

Installation box for wall mounting, whiteLHB4501
Mounting kit for cable raceway
DIN installation boxesLHB4511
Mounting kit for Ackermann GB2 (sub-floor box) ...LHB4521
Mounting kit for Ackermann GB3 (sub-floor box) ...LHB4522

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

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

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