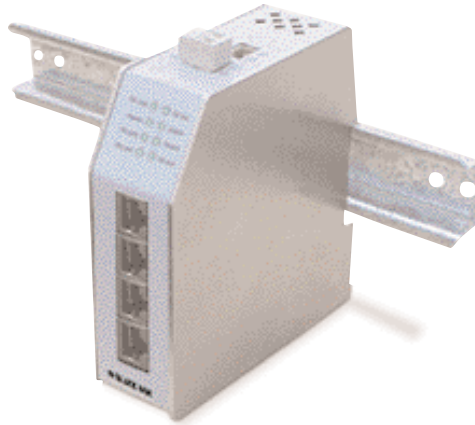# BLACK BOX®
NETWORK SERVICES

Industrial Ethernet Switches

Key Features

▶ 5-Port Switch, (4) 10/100Base-TX, (1) 100Base-FX.

▶ 35 mm DIN-rail mounting.

▶ IP Protection Class 20 compliant.

▶ Extended Operating

▶ Temperature -20 up to +60°C.

▶ Dual Power Input.

Description

The Black Box Industrial switches offer a powerful Ethernet network infrastructure in production and automation areas. With this switch it is possible to connect production systems like control systems, robots and CNC machines which are having an integrated Ethernet interface. Due to the use of the switching technology the connection is collision free.

For the connection to the central distribution the switch has an integrated 100Base-FX uplink. Depending on the requirements this port can be configured in half or full duplex mode. The auto-crossing feature of the switch detects the pin-out of the TX port. This has the advantage that it is possible to use always standard patch cables.

What's included:

- (1) Switch
- (1) manual on CD-ROM

Specifications

Standards —
IEEE 802.3 10Base-T Ethernet; IEEE 802.3u 100Base-TX, 100Base-FX Fast Ethernet
Switching Mechanism — Store-and-Forward

Indicators —
Per Switch: Power LED, Alarm LED; Per port: Link LED, Activity LED, FDX/HDX LED

MAC addresses —
1KB MAC address entries

Number of ports —
(4) 10/100Mbps auto-negotiation MDI/MDX Copper ports; (1) 100Mbps Fibre Duplex SC/ST, Multimode or Single Mode; (1) input ports for Power

Connectors —
data: (4) RJ-45 STP + (1) Fibre duplex ST/SC; power: (1) 2-position terminal blocks

Temperature Tolerance —
Operating: -20 to +60°C; Storage: -20 to + 80°C

Humidity Tolerance —
Operating: 5 to 90% non-condensing

Power —
Dual input (main + redundant) 18-36V DC/maximum 300mA from External power supply (e.g. LHB8000-PS)

Size —
10.8D x 3.8W x 1.16H cm

Weight —
0.93 Kg

Safety and EMI certificates —
CE

▼ *Ordering information*

ITEM	CODE
Industrial Switches	
(4) STP + (1) Fibre Optic port	
Multimode ST	LHB8040A
Multimode SC	LHB8041A
Single Mode ST	LHB8045A
Single Mode SC	LHB8046A
Power Supply	
Power Supply (DIN-rail mountable) for up to 6 devices	LHB8000-PS
Accessories	
DIN Rail, 1-m	DR100

▼ 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 seconds, find the right product with our technical experts.

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

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

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