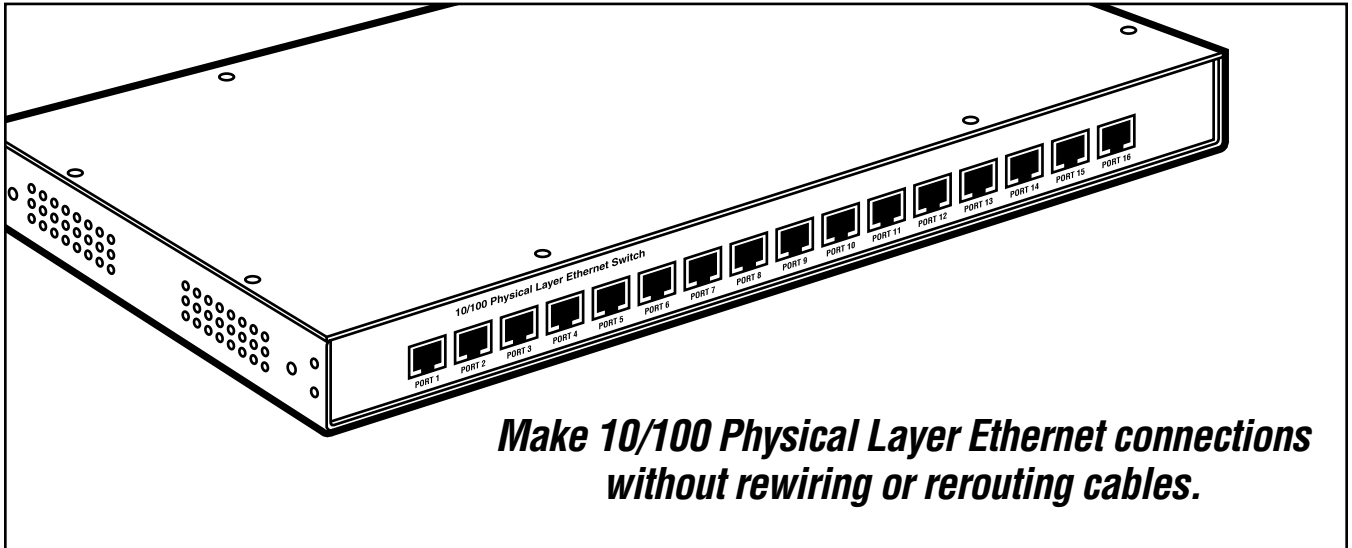




BLACK BOX[®]

NETWORK SERVICES

10/100 PHYSICAL LAYER ETHERNET SWITCH, 16-PORT



Make 10/100 Physical Layer Ethernet connections without rewiring or rerouting cables.

Key Features

- ▶ **Ideal for point-to-point Ethernet connections.**
- ▶ **Auto-adapts port speed to either 10 or 100 Mbps.**
- ▶ **Switch between up to 16 devices, each located up to 328 ft. (100 m) away from the switch.**
- ▶ **Implement security at the Physical Layer.**
- ▶ **Includes control software accessible via the serial port or the LAN port.**
- ▶ **Stores up to 16 user-defined configurations.**

Remotely configure, redistribute, and monitor Ethernet devices in 10/100 Ethernet LAN environments. The 10/100 Physical Layer Ethernet Switch, 16-Port provides point-to-point connectivity without rewiring or rerouting cables. And it automatically adapts to port speeds of 10 or 100 Mbps.

Attach 10BASE-T Ethernet or 100BASE-TX Fast Ethernet devices via the 16 RJ-45 connectors on the switch's front panel. These 16 connectors are wired like an Ethernet hub. Link standard Ethernet devices (such as PCs) to the switch with straight network cables. Or attach one of the switch's ports directly to an

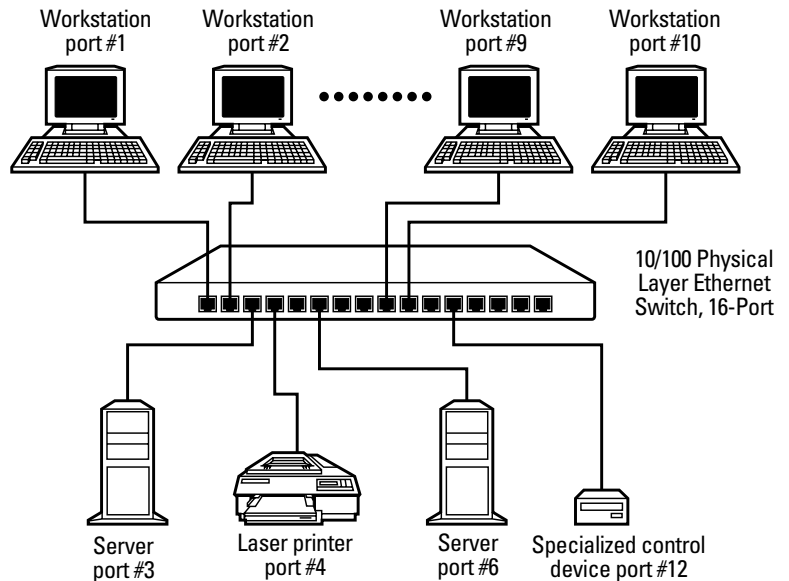
Ethernet hub or network switch using a crossover cable. Each connected device can be placed up to 328 ft. (100 m) away from the switch.

The switch installs between your patch panels and network switch. Since it operates at the Physical Layer, the switch can shut down the physical connection to specific workstations, departments, or buildings. You can do this remotely via the control software and a PC connected to the RS-232 serial port (using the included serial cable) or via a workstation connected to the TCP/IP LAN port.

You can also instantly and effortlessly recall up to 16 frequently-used patching configurations (stored in the switch's non-volatile memory) via the LAN or RS-232 serial port.

The control software works with Windows[®] 95/98/2000/XP and Windows NT[®]. The PC connected to the serial port can be located up to 50 ft. (15.2 m) from the switch, while the workstation connected to the LAN port can be located up to 328 ft. (100 m) away.

Connect up to 16 10/100 Ethernet devices to the Physical Layer Switch.



Specifications

Ethernet Ports

Data Rate: 10 or 100 Mbps

Interface: 10BASE-T, 100BASE-TX

Protocol: IEEE 802.3 10BASE-T

Connectors: (16) RJ-45 female

Indicators: (32) LEDs: (16) Signal Detect; (16) non-functional LEDs for future use

Cable Length (Maximum): To devices connected via copper interfaces: 328 ft. (100 m) over Category 5 or better UTP cable (8-conductor, 100-ohm)

Latency: Less than 20 nanoseconds

Serial Interface

Data Rate: 9600 bps (default) or 19.2 kbps, software-selectable

Interface: RS-232

Protocol: Asynchronous

Connectors: (1) DB9 female

Indicators: None

Cable Length (Maximum): To serial management device: 50 ft. (15.2 m)

Serial Management: No parity, 8 data bits, 1 stop bit

LAN Control Port

Data Rate: 10 Mbps

Interface: 10BASE-T Ethernet

Protocol: TCP/IP

Connectors: (1) RJ-45 female

Indicators:
(2) LEDs: (1) Link Active;
(1) LAN interface or TCP/IP (socket) connection

Cable Length (Maximum): To devices connected via LAN management interface: 328 ft. (100 m) over Category 5 or better UTP cable

General

Agency Approvals: UL[®], CUL, FCC Class A, CE

Operation: Half- or full-duplex switching

Software Requirements: Windows[®] 95/98/2000/XP or Windows NT[®]

Temperature Tolerance: 32 to 131°F (0 to 55°C)

Relative Humidity: Up to 90%, noncondensing

Connector: (1) IEC-320 for power

Power: 90 to 260 VAC (auto-ranging), 47 to 63 Hz, 85 watts

Size: 3.5"H x 16.75"W x 12"D (8.9 x 42.5 x 30.5 cm)

Weight: 7 lb. (3.2 kg)

What's Included

- (1) 10/100 Physical Layer Ethernet Switch, 16-Port
- (1) IEC-320 power cord
- (1) 10-ft. (3-m) DB9 male to DB9 female RS-232 cable
- (1) DB9 male to DB25 female RS-232 adapter
- (2) Rackmounting brackets with (4) 12-24 screws
- (4) Bottom feet
- (1) CD-ROM containing control software
- (1) Users' manual

Ordering Information

ITEM

CODE

10/100 Physical Layer Ethernet Switch,
16-PortSW595A

You might also want to order...

CAT5 100-MHz Patch Cable with Molded Boots,
24 AWG, RJ-45, 4-Pair, PVC, Beige.....EVNSL25