QuickSwitch® 6285 Gigabit Fiber Optic Mirror Switch/Converter w/ Remote Control

QuickSwitch® 6285 Features:

- Access either of two Fiber Optic networks from one computer connected to a Gigabit Ethernet (GigE) RJ45 COMMON port.
- MEMS-based (Micro Electro Mechanical System) multimode mirror switch, wavelength 850 nm.
- High speed fiber optic/copper 1000-Base-T converter electronics.
- *Manual control* by the front panel pushbutton.
- *Remote control* through RS-232 (DB9) serial port.
- Switch position displayed on front panel LED or on computer terminal via remote port.

Electro Standards Laboratories' QuickSwitch® 6285 enables a device connected to the Gigabit 1000-Base-T RJ45 COMMON port to access either of two separate Fiber Optic networks via SC duplex ports. This cutting-edge switch utilizes MEMS-based (Micro Electro Mechanical System) multimode switches and high-speed fiber optic/copper 1000-Base-T converter electronics. The switch position of the QuickSwitch® 6285 can be controlled **manually** via a front panel pushbutton or **remotely** using the RS-232 serial port located on the rear of the unit. Once connected to the remote port, the computer can use any common terminal emulation software to manipulate the controls and monitor the switch position.

SPECIFICATIONS:

CONNECTORS: Ports A and B are Fiber Optic SC duplex ports; COMMON Port is 1000-Base-T RJ45.

FIBER OPTIC PORT INTERFACE: Ports A & B are fiber optic SC duplex ports that accept standard fiber optic SC duplex connectors.

WAVELENGTH: 850 nanometer

COMMON PORT INTERFACE: The Common port is an RJ-45 GigE interface that accepts standard CAT5e patchcords.

REMOTE PORT INTERFACE: RS-232 (DB9) serial port, 9600 Bps, located on rear of unit, may be connected to any standard RS-232 port or a computer.

CONTROLS: Manual Pushbutton or via remote DB9 RS-232 serial port.

DISPLAY: Front panel LED or computer terminal via remote port.

POWER: 115VAC / 60HZ wall mount supply.

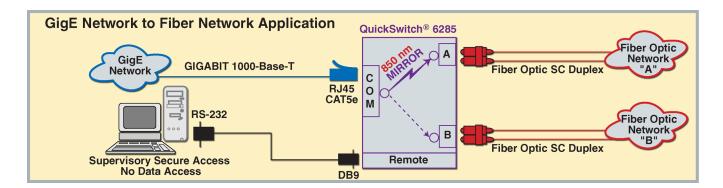DIMENSIONS: 3" H x 8" D x 8" W

WEIGHT: 2.8 lbs

1000-BASE-T

A specification for Gigabit Ethernet (GigE) over copper wire (IEEE Std 802.3ab). The standard defines 1 Gb/s data transfer over distances of up to 100 meters using four pairs of CAT-5 balanced copper cabling and a 5-level coding scheme.

Since many companies already use CAT-5 cabling, 1000-Base-T can be easily implemented.

Other 1000-Base-T benefits include compatibility with existing network protocols (i.e. IP, IPX, Apple Talk), existing applications, Network Operating Systems, network management platforms and applications.

GigE Network to Fiber Network Application