

SM-2400F10G Programmable Bypass Switch



SPECIFICATIONS:

Standards:

IEEE 802.3 10GBaseF
Compliant, Fully RoHS
Compliant

Connectors:

Four LC Connectors:
One Router, Two Server
(Appliance), One Switch,
DB9 RS-232 Terminal,
One 9V DC Power

Power:

110V-220V 50/60Hz 5W UL
Listed Power Supply

Warranty:

1 Year Parts and Labor

Approvals:

UL (on Power Supply), FCC
Part 15 Class A Compliant

Size: 6.125"L x 4.5"W x 1.0"H

Weight: 1.0 lbs 10.2 oz

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PRODUCT DESCRIPTION:

The SM-2400F10G Programmable Bypass Switch provides the ability to automatically bypass a malfunctioning network appliance. The unit operates as an intelligent watchdog that expects periodic interaction with a properly-functioning network appliance via a serial communication link. In the event of a failure, the unit removes the failing device from the Ethernet link. After bypassing (removing) the failing device, the SM-2400F10G directly connects the two external Ethernet 10G ports to reestablish end-to-end communications.

FEATURES:

- ◆ Auto Switch to Backup on Appliance Link Failure
- ◆ Auto Switch to Primary on Restoration of Primary Link
- ◆ Independent Watchdog Function Responds to System Failures
- ◆ 100% Optical Data Path for Unsurpassed Reliability
- ◆ Simple Control Interface via Serial Connection or Front Panel Switches
- ◆ Maintains End-to-End Connectivity thru Power Failures
- ◆ Programmable Switchover Delays
- ◆ Flash Firmware - User Upgradeable
- ◆ Supports 10G & 1GB Fiber Ethernet
- ◆ Multi-Fit, Multi-Voltage Power Supply (Interchangeable Plugs)

APPLICATIONS:

- ◆ Protect Against Failures to Appliance Links Due to Cable Cuts, Disconnected Cables, and Switch Failures from Malfunctioning Appliance Ports, Plug-in Cards, or Power Supplies

FAILURE DETECTION/ DESIGN FEATURES:

The SM-2400F10G will switch upon failure either by detecting a loss of appliance link signal, loss of power or loss of watchdog communications. With the use of a custom script providing watchdog refresh commands from the attached appliance to the RS-232 console, the SM-2400F10G will switch on failure of attached appliance. The SM-2400F10G is compatible with scripts written for any OS and can be designed to switch to bypass using either a simple watchdog refresh or more elaborate definition of appliance malfunction. By incorporating Shore Microsystems's "Straight Through Wire"™ Technology into the SM-2400F10G Programmable Bypass Switch, the device is transparent to the network, therefore is independent of network protocols.

