

SM-2512 Ethernet Link Protector/Failover Switch



SPECIFICATIONS:

Standards: IEEE 802.3
10BaseT/100BaseTX
Compliant, Fully RoHS
Compliant

Connectors: 3 RJ45 Twisted
Pair Per Port for each of 3
Ports, 1 RJ45 Management
Port, 1 3-Wire 110V
(.25A)/220V(.125A)
Autosensing AC Power or
Optional -48VDC(.5A) 2-Pin
Screw Terminal Power

Dimensions: 5.25" High x
11.0" Deep x 19.0" Wide

Weight: 6 lbs 14.4 oz

Approvals: FCC Part A
Compliant, CE Mark, NEBS
GR-63 CORE (Earthquake
Vibration/Resistance)

Warranty: 1 Year Parts and
Labor

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PRODUCT DESCRIPTION:

The SM-2512 Link Protector provides a fully managed automatic link backup capability to twelve "mission-critical" 10BaseT/100BaseTX Ethernet links. The system protects vital connections to servers, routers, firewalls, and other key Ethernet devices that require fail-safe link operation. The SM-2512 operates by non-intrusively monitoring a "primary" link and, in the event of a failure, automatically switches to the backup link; or switching can be controlled externally via SNMP, RS232, Telnet, or front panel commands. The Link Protector does not require any additional network cards in a server; is completely transparent in normal operation; and does not affect IEEE repeater budget calculations. The SM-2512 is designed to be mounted in a standard 19" datacom/telecom rack or tabletop.

FEATURES:

- ◆ Provides and Manages Redundant Connections for 12 10BaseT/100BaseTX Ports
- ◆ Automatic Switching to Backup on Loss of Service
- ◆ Automatic Switch-Back to Primary Link on Restoration of Service
- ◆ Alarm on Loss of Primary Backup Link and/or Server Links
- ◆ Telnet Access to Control, Status, and Setup Information
- ◆ BOOTP Automatic Network Address Recovery
- ◆ "Ping"-able using ICMP
- ◆ Simple Network Management Protocol(SNMP)
- ◆ SNMP Trap Message on Alarm for Link Failure Notification
- ◆ SNMP MIB II Compliant (RFCs 1155, 1157, 1213)
- ◆ Port Switching Capabilities include Individual Port, Group, and Gang Modes
- ◆ Forced Switchover to Backup, Port Enable/Disable, and Alarm Acknowledgement Functions Available Through SNMP, RS232, Telnet and Front Panel Switches
- ◆ LED Indicators for Transmit, Receive, and Link Status for 10BaseT Management Port
- ◆ System Configuration and Firmware Stored in Non-Volatile Upgradeable EEPROM
- ◆ 110/220V Auto Sensing Redundant Power Supplies (-48VDC Redundant Optional)
- ◆ RS-232 Console Interface (300 to 38.4K bps) for System Configuration
- ◆ Programmable Password Protection

APPLICATIONS:

- ◆ Provide Automatic Backup for Critical 10BaseT/100BaseTX Links to Servers, Routers, and other Vital Equipment
- ◆ Protect Attached Equipment From Failures of Primary Link Due to Cable Cuts, Disconnected Cables, and Hub Failures (Malfunctioning Ports, Plug-in Cards, or Power Supplies)
- ◆ Provide Immediate Notification via SNMP of Link Failures
- ◆ Control Network Configuration/Topology via SNMP Scripts
- ◆ Simplify Network Maintenance Thru Forced Switching to Hot Standby

PORT FEATURES:
Auto Switch to Backup on Loss of Service
Auto Switch to Primary on Restoration of Service
Alarm Notification Via SNMP Traps
Default Connection to Primary Link on Loss of Power
Enable/Disable of Automatic Switching
Capability to Force Port to Backup Condition
Front Panel Display of Link Status on Primary, Backup, and Server Connections; Alarm Status;
Active Connection Status (Primary or Backup); Port Enable/Disable Status; Override Status

Network Diagram

