



SM-2701/2702 Ethernet Link Protector

PRODUCT DESCRIPTION

The SM-2701/2702 Link Protector provides a fully managed automatic link backup capability for up to two (2) "mission-critical" 1000BaseT/100BaseTX/10BaseT/1000BaseF Ethernet links. The system protects vital connections to servers, routers, firewalls, and other key Ethernet devices that require failsafe link operation. The SM-2701/2702 operates by 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 unit combines both chip and relay technologies to provide for fast switchover and continuous traffic on loss of power using "straight through wire"TM technology. The SM-2701/2702 is housed in a 1U card cage chassis and designed to be mounted in a standard 19" datacom/telecom rack.

APPLICATIONS

- Provide Automatic Backup for Critical 10BaseT/100BaseTX/1000BaseT 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

SYSTEM FEATURES

- Provides and Manages Redundant Connections for two (2) Copper and/or Fiber Ethernet
- Automatic Switching to Backup on Loss of Service
- Automatic Switch-Back to Primary Link on Restoration of Service
- Alarm on Loss of Primary, Backup, and/or Server Links
- Telnet Access for Control, Status, Setup Information
- Protocol Support: Bootp, SNMP, ICMP, ARP, TCP, IP, TFTP
- SNMP Trap Message on Link Failure Alarms
- Forced Switchover to Backup, Port Enable/Disable, and Alarm Acknowledgment Functions Available Through SNMP, RS232, Telnet and Front Panel Switches
- Port Groups
- LED Indicators for Transmit, Receive, and Link Status for 10BaseT Management Port
- System Configuration and Firmware Stored in Non-Volatile Upgradeable EEPROM
- RS-232 Console Interface (300 to 38.4K bps) for System Configuration
- Programmable Password Protection
- 110/220V 50/60Hz AC Power Supply (150W)
- Online Help

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
- Programmable Failover Times for Fast Failover
- Programmable Switchover Delay and Restore Times
- Default Connection to Primary Link on Loss of Power

CHASSIS FEATURES

- Card Cage Design Allows Scalability for Network Size
- Removable Card Design Allows for Simple Maintenance
- Copper and Fiber Mix and Match Ability Allows for Media Configuration Choices

SPECIFICATIONS

- Standards: IEEE 802.3 1000BaseSX/1000BaseT/100BaseTX/10BaseT Compliant, IEEE 802.3u 1000BaseFX Compliant
- Connectors: 3 RJ45 Twisted Pair Per Each Copper Port Card, 3 LC Fiber Pair Per Each Fiber Port Card, 1 RJ45 10BaseT Management Port, 1 3-Wire 110/220V AC Power (150W)
- Dimensions: 1.75" High x 10.75" Deep x 17.0" Wide
- Approvals: FCC Part A Compliant, ETL US, ETL Canada, CE
- Warranty: 1 Year Parts and Labor

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