SM-2601F Ethernet Link Protector/Failover Switch

SPECIFICATIONS:

Standards: IEEE 802.3z 1000BaseSX or 1000BaseLX and 1000BaseTX

Connectors: Three 1000Base SX or LX, LC Fiber Jacks: One Primary, One Backup, One Direct Station Connection (Server Port); One RJ45 1000BaseTX Twisted Pair Jack as a Direct Station Connection (Server Port); One RJ45 10BaseT Twisted Pair Jack management port, One DB9F DCE RS232 Serial Port; AC: One or Two IEC320; DC: 1 or 2 #6 Screw Lug Mount.

Power Requirements: (2) 110/220V 50/60HzAC or (2) 48V DC or one of each , 15W

Size: 8.5" x 9.0" x 1.75"

Weight: 3 lbs 15.5 oz

Approvals: FCC Part 15 Class A Compliant

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PRODUCT DESCRIPTION:

The SM-2601F Intelligent Fiber Link Protector provides a fully managed automatic link backup capability to "mission-critical" 1000BaseSX or 1000BaseLX Fiber Ethernet links. Protects vital connections to servers, routers, and other key devices that require fail-safe operation. The SM-2601F operates by monitoring a "primary" link and, in the event of a failure, automatically switches to the backup link. The Link Protector does not require any additional network cards in a server and does not require router-level switchovers if a failure occurs. The backup link can be connected to either another port on a switch or an entirely different switch for greater protection. The unit contains a dual Mode Protected Port (one LC Fiber and one RJ45 Copper) for a redundant station port configuration. The unit also functions in a back-to-back configuration for redundant cable path applications.

FEATURES:

- Automatic Switching to Backup Link Can Be Programmed To Occur Within 20 to 1100 Milliseconds to Avoid Protocol-Timeouts
- Automatic Switch-Back to Primary Link on Restoration of Service
- Automatic Switching upon Detection of Remote Faults (IEEE 802.3z)
- Delayed Switching to Accommodate Slow Boot Switching Hubs
- Dual Mode Protected Station Port for either LC Fiber or RJ45 Ethernet Connectivity
- Alarm on Loss of Primary, Backup and/or Server Links
- Telnet Access to Control, Status, and Setup Information
- BOOTP Automatic Network Address Recovery
- "Ping"-able using ICMP
- SNMP MIB II Compliant (RFCs 1155, 1157, 1213)
- SNMP Trap Message on Alarm for Link Failure Notification
- Outbound Generation of Link Signals to avoid False Alarms on Inactive Links
- Manual Override for Forced Switching
- Multiple LED Indicators for Status Display and Mode Display
- Jumperless System Configuration Stored in Non-Volatile Memory
- RS232 Console Port for Feature Programming
- User Upgradeable Flash Memory for Future Feature Updates
- Dual Redundant Power Supplies for High Reliability
- Dual Separate 120V/240V AC Power Inputs (Optional)

APPLICATIONS:

- Provide Automatic Backup for Critical 1000BaseSX or 1000BaseLX and/or 1000BaseTX Links to Servers, Routers, and other Vital Equipment
- Protect Against Failures of Primary Link Due to Cable Cuts, Disconnected Cables, and Hub/Switch Failures from Malfunctioning Ports, Plug-in Cards, or Power Supplies
- Provide Backup for Dual NIC Station Port (Servers) Configuration
- Add Redundant Network Wiring in Conjunction with other Shore Microsystems Link Protector Products

Network Diagram