

SM-NPC-2 Ethernet Link Protector® Network Protection Chassis - 2 Port

SPECIFICATIONS:

Standards: IEEE 802.3
 Connectors: Port Card Specific + 1
 RJ45 Ethernet Management Port + 1
 RJ45 Console + 1 3-Wire 110/220V
 50-60Hz AC Power
 Optional Redundant (x2)
 3-Wire 110/220V 50-60Hz AC
 Power: 48W max
 Dimensions: 1.75"H x 10.75"D x 17.00"W
 Weight: 8 lbs (Fully Populated)
 Approvals: FCC Part A Compliant,
 ETL US, ETL Canada, CE

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PRODUCT DESCRIPTION:

The Network Protection Chassis (NPC-2) provides a fully managed automatic link backup capability for up to two (2) "mission-critical" 1000BaseT/100BaseTX/100BaseFX/10BaseT/1000BaseF/10GBase Ethernet links. The system protects vital connections to servers, routers, firewalls, and other key Ethernet devices that require failsafe link operation. The NPC-2 operates by monitoring a "primary" link and, in the event of a failure (link or absence of incoming traffic), automatically switches to the backup link; or switching can be controlled externally via SNMP, RS-232, Telnet/SSH, or front panel commands. The unit combines both electronic and relay technologies to provide for fast switchover and continuous traffic on loss of power using *Straight through Wire®* technology. The NPC-2 is housed in a 1U card cage chassis and designed to be mounted in a standard 19" datacom telecom rack.

FEATURES:

- ◆ Provides and Manages Redundant Connections for two (2) Copper and/or Fiber Ethernet
- ◆ Automatic Switching to Backup on Loss of Service (Link Signal or absence of incoming traffic)
- ◆ 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; SNMP, ICMP, TCP, IP, TFTP (IPV6, HTTP, SSHv2, SNMPv3, SYSLOG optional)
- ◆ SNMP Trap Message on Link Failure Alarms
- ◆ Forced Switchover to Backup, Port Enable/Disable, and Alarm Acknowledgment Functions
- ◆ Controllable Through SNMP, RS-232, Telnet/SSH and Front Panel Switches
- ◆ Failover Port Groups
- ◆ LED Indicators for Transmit, Receive, and Link Status for Management Port
- ◆ System Configuration and Firmware Stored in Non-Volatile Upgradeable EEPROM
- ◆ RS-232 Console Interface for System Configuration
- ◆ Programmable Password Protection
- ◆ Internal AC Power Supply (Optional Redundant Power Available)
- ◆ 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

APPLICATIONS:

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

Quick Reference:

- 2 Card Slots
- 1u Rack Mountable
- Standard or Advanced Management Controller
- 100 Microsecond Failover Capable
- Fixed Redundant Power Supplies
- Power Loss Fail-Safe Copper (10/100/1G) and Fiber (1G/10G)
- Fixed Single High MTBF Power Supply Chassis Also Available
- Copper and/or Fiber Media
- Mix and Match Redundant (SM-27XX Series) and Bypass (SM-28XX Series) Port Card Technology
- Supports 1:1 and 1+1 Redundancy
- Speeds: (10/100/1G/10G Link Protector) (10/100/1G/10G Bypass Switch)
- Hitless Firmware Upgrades
- Headless Operation

Typical Network Diagram

