

SM-NPC-12 Ethernet Link Protector® Network Protection Chassis - 12 Port

SPECIFICATIONS:

Standards: IEEE 802.3
Connectors: Port Card Specific + 1 RJ45 Management Port + 1 RJ45 Console Port + 1 3-Wire 110/220V 50-60Hz AC
 Optional Redundant (x2) 3-Wire 110/220V 50-60Hz AC
Power: 200W max
Dimensions: 3.50"H x 15.00"D x 17.75"W
Weight: 21 lbs (Fully Populated)
Approvals: FCC Part A Compliant, ETL US, ETL Canada, CE

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PRODUCT DESCRIPTION:

The Network Protection Chassis provides a fully managed automatic link backup capability for up to twelve (12) "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 Network Protection Chassis 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 Network Protection Chassis is housed in a 2U card cage chassis and designed to be mounted in a standard 19" datacom/telecom rack.

FEATURES:

- ◆ Provides and Manages Redundant Connections for twelve (12) 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 Acknowledgement 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
- ◆ 110/220V 50/60Hz Auto Sensing Redundant Hot Swappable Power Supplies
- ◆ 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:

- 12 Card Slots
- 2u Rack Mountable
- Redundant Hot-Swappable Power Supplies
- Choice of Standard or Advanced Management
- 100 Microsecond Failover Capable
- Power Loss Fail-Safe Copper (10/100/1G) and Fiber (1G/10G)
- Copper and/or Fiber Media
- Mix and Match Redundant (SM-27XX Series) and Bypass (SM-28XX Series) Port Cards
- Speeds: (10/100/1G/10G Link Protector) (10/100/1G/10G Bypass Switch)
- Supports 1:1 and 1+1 Redundancy
- Hitless Firmware Upgrades
- Headless Operation

