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**Specifications:**

- IEEE 802.3 10/100 Copper Ethernet
- RS-232 and Ethernet (CAM-only) Control
- 3.5mm Alarm Jack
- UL 12V, 0.5A DC Power
- ROHS
- CE/FCC
- Wall Mount Capable
- 1.5 lbs
- 6.4"d x 4.5"w x 1.2"h

**PRODUCT DESCRIPTION:**

The SM-2501CA and SM-2501CAM Advanced Copper Link Protectors provide standalone programmable automatic link backup capabilities to "mission-critical" 100BaseTX or 10BaseT Ethernet links. The devices protect vital connections to servers, routers, and other key devices that require fail-safe operation. The SM-2501CA/CAM operate by monitoring "primary" and "backup" links and, in the event of a failure, automatically switching to the operational link. The units share many advanced features of the high end SM-2701FE Copper card for the NPC-2/12 systems including maintaining all links in the "UP" state for extremely fast switching to the Backup port. The SM-2501CA also contains advanced traffic-failure switching triggers that allow it to respond to a broad range of "absence of packets" failure conditions. The SM-2501CA can also be purchased with an optional 4-port appliance backup capability. The SM-2501CAM is a managed version of the same device.

**KEY BENEFITS:**

- ◆ Auto Switch to Backup within 15ms on Loss of Connectivity
- ◆ Auto Switch to Primary on Restoration of Connectivity
- ◆ Ability to Automatically switch to Backup on Absence of Traffic
- ◆ External Watchdog trigger via Serial port (or SNMP — SM-2501CAM only)
- ◆ Capability to Force Port to Backup Condition
- ◆ Enable/Disable of Automatic Switching (Manual Override)
- ◆ Copper Physical Layer (10/100Mbps)

**SYSTEM FEATURES:**

- ◆ *Straight through Wire*® Technology provides Zero Power Connectivity
- ◆ Dual Power Inputs for Increased Reliability
- ◆ Normal Mode automatically switches to Backup on Primary Link Failure
- ◆ Latch Mode stays in Backup State until Manually Restored
- ◆ Enhanced Latch Mode releases latch on Backup Failure
- ◆ External Alarm Interface (dry contact relay)
- ◆ Manual Control via Push Button Interface
- ◆ Optional 4 Port Appliance Bypass Mode using AUX RJ45 Port (SM-2701CA Only)
- ◆ System Options saved on Non-Volatile EEPROM Memory
- ◆ SM-2701CAM version adds SNMP(V3), SSH(V2), Syslog, and other networking features
- ◆ Optional 1U rack mount shelf available

