

SM-2801C (Copper Bypass Card) Network Protection Chassis

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OTHER CARDS AVAILABLE:

Model #: SM-2701C
Description: Advanced
Copper Card

Model #: SM-2701F
Description: Fiber Card

Model #: SM-2701CS
Description: Standard
Copper Card

Model #: SM-2701CF
Description: Copper to
Fiber Card

Model #: SM-2701FCB
Description: Fiber Card
with Optical Bypass

Model #: SM-2701IO
Description: Contact
Closure Card

Model #: SM-2701RF
Description:
RF Coaxial Card

Model #: SM-2801F
Description: Copper or
Fiber GBIC Optical Bypass
Card



PRODUCT DESCRIPTION:

The SM-2801C copper port card provides four 10/100/1000BaseT RJ-45 jacks intended for connection to a switch, router, and two appliance ports. The SM-2801C appliance ports should be connected to a DTE (NIC-style) using straight-thru cables. The switch and router ports should be connected to external network equipment using straight-thru cables. The NPS supports auto-MDIX operation which compensates for reversed wiring of network ports. It is recommended that auto-MDIX is enabled in devices connected to the NPS copper cards.

In the Online (default) state, the SM-2801C connects the Switch (SW) and Appliance 2 (A2) interfaces to each other. At the same time, the Router (RT) and Appliance 1 (A1) interfaces are connected each other. In the Bypass state, the SM-2801C connects the SW and RT interfaces together while the A1 and A2 interfaces are disconnected.

KEY BENEFITS:

- ◆ Auto Switch to Bypass on Loss of Connectivity and/or Appliance function
- ◆ Auto Switch to Online on Restoration of Connectivity and/or Appliance function
- ◆ Default Connection between SW and RT ports on Loss of Power via "Straight through Wire"® Technology (with optional optical bypass for fiber cards)
- ◆ "Packet Spy" allows Switching to Bypass on Loss of Traffic Flow
- ◆ External Watchdog trigger via SNMP
- ◆ Capability to Force Port to Backup Condition
- ◆ Enable/Disable of Automatic Switching (Manual Override)
- ◆ Copper Physical Layer – 10/100/1000Mb
- ◆ Span Port Replication

FIRMWARE FEATURES:

Corporate System (Base):	Enterprise System:
"Straight through Wire"® Technology allows Zero Power Connectivity	All Corporate System Features
Normal Mode- Port Acts Independently	Mirror Mode (Link Protection - Cards Provide Dual Output; Bypass - Cards Provide TAP Function)
Group Mode- Ports Act as a Group	Slave Mode (Port)
Latch Mode- Stays in the Backup/Bypass state until Manual Restored	Slave Mode (Group)
Enhanced Latch Mode- Latch is Automatically Released on Failure of Backup Link (Link Protection Only)	Multiple Unit Operation (Super Group)
Reverse Mode- Reversed Logic (Bypass/Backup Ports are Default)	Total Group Switch
Packet Spy- Backup /Bypass Switchover Triggered by Lack of Packets on Active Link	External Watchdog Scripting
CRC Error Reporting	Packet Spy Plus- Connectivity Through Appliance Verified by Probe Packets (Bypass Only)
	Fast Switchover via MAC Address (Link Protection Only)

