

AVAILABLE PORT CARDS:

- SM-2701C: Advanced 1G Copper
- SM-2701F: Advanced 1G Fiber
- SM-2701CF: Adv 1G Copper=>Fiber
- SM-2701CS/CSL: Standard Copper
- SM-2701FC: Adv Fiber=>Copper
- SM-2701FE: Advanced 100BaseX
- SM-2701IO: Contact Closure
- SM-2701S: Advanced RS-530 Serial
- SM-2701RF: RF Coaxial
- SM-2701RS: Adv RS-232 Async
- SM-2701F10G: 1/10G Fiber
- SM-2801C: Adv Copper Bypass
- SM-2801F: Adv Fiber SFP Bypass
- SM-2801F10G: 1/10G Fiber Bypass

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PRODUCT DESCRIPTION:

Each SM-2701FC fiber/copper port card provides two 1Gb RJ45 connectors for connection to a primary and backup links and one LC SFP fiber connector for connection to a protected Ethernet link. SFP modules are available for SX, LX, and ZX fiber variants.

The SM-2701FC detects link activity and an alarm is generated if any link fails. If the primary link is lost, the NPS will automatically switch to the backup link. By default, the switch is completed within 100 milliseconds after a link problem is detected. Even faster switching can be accomplished with optional Turbo mode.

Once the primary link is restored, the server port will revert to the primary link automatically. The link may also be forced to switch to the backup port manually.

KEY BENEFITS:

- ◆ Auto Switch to Backup on Loss of Connectivity
- ◆ Auto Switch to Primary on Restoration of Connectivity
- ◆ *Packet Spy*TM allows Switching to Backup 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 – 1000BaseT
- ◆ Fiber Physical Layer - 1000BaseSX, LX, or ZX via SFP module selections

FIRMWARE FEATURES:

Corporate System (Base):	Enterprise System:
Normal Mode- Port Acts Independently	All Corporate System Features
Group Mode- Ports Act as a Group	Mirror Mode - Cards Provide Dual Output
Latch Mode- Stays in the Backup/Bypass state until Manual Restored	Slave Mode (Port)
Enhanced Latch Mode- Latch is Automatically Released on Failure of Backup Link	Slave Mode (Group)
Reverse Mode- Reversed Logic (Backup Ports are Default)	Fast End-to-End Switchover via Patented MAC Address Spoofing
<i>Packet Spy</i> TM - Backup Switchover Triggered by Lack of Packets on Active Link	Total and Any Group Switch Modes
CRC Error Reporting	External Watchdog Scripting
	Turbo High Speed switching

