

AVAILABLE PORT CARDS:

- SM-2701C: Advanced 1G Copper
- SM-2701F: Advanced 1G Fiber
- SM-2701CF: Adv 1G Copper=>Fiber
- SM-2701CS: 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-2701S port card provides three RS-530 synchronous serial port intended for connection to primary and backup ports and one protected port.

The SM-2701S detects clock activity and an alarm is generated if any link fails. If the primary clock 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. Once the primary clock 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.

The connector is a 68 pin VHDCI-type connector that utilizes a specially designed cable providing 3 DB-25 RS-530 connectors for attachment to network equipment.

KEY BENEFITS:

- ◆ Auto Switch to Bypass on Loss of Primary RX Clock
- ◆ Auto Switch to Online on Restoration of Primary RX Clock
- ◆ Default Connection to Primary Link on Loss of Power via *Straight through Wire®* Technology
- ◆ External Watchdog trigger via SNMP
- ◆ Capability to Force Port to Backup Condition
- ◆ Enable/Disable of Automatic Switching (Manual Override)
- ◆ Physical Layer – RS-530 (x3) on One High Density 68 pin VHDCI Connector (Optional Octopus Expansion Cable Available)

FIRMWARE FEATURES:

Corporate System (Base):	Enterprise System:
<i>Straight through Wire®</i> Technology allows Zero Power Connectivity	All Corporate System Features
Normal Mode- Port Acts Independently	Mirror Mode - Cards Provide Dual Output
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	Fast End-to-End Switchover via Patented MAC Address Spoofing
Reverse Mode- Reversed Logic (Backup Ports are Default)	Total and Any Group Switch Modes
<i>Packet Spy™</i> - Backup Switchover Triggered by Lack of Packets on Active Link	External Watchdog Scripting
CRC Error Reporting	Turbo High Speed switching

