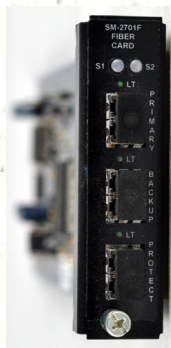


### AVAILABLE PORT CARDS:

- 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



### PRODUCT DESCRIPTION:

Each SM-2701RS RS-232 port card provides three RJ45 connectors for connection to a primary, backup and a protected asynchronous serial port. Serial control signals are supported with additional capabilities to switch to backup on loss of control signals.

The SM-2701RS monitors control signals and/or received character traffic to determine link health 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 link problem is detected. 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
- ◆ Default Connection to Primary Link on Loss of Power via *Straight through Wire*® Technology
- ◆ *Packet Spy*™ 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)
- ◆ Physical Layer - RS-232 on Cisco-compatible RJ45 connectors, 300bps to 230,400bps, DTR/DSR,RTS/CTS supported

### 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  | Slave Mode (Port)                |
| Group Mode- Ports Act as a Group  | Slave Mode (Group)               |
| Latch Mode- Stays in the Backup state until Manually Restored   | Total and Any Group Switch Modes |
| Enhanced Latch Mode- Latch is Automatically Released on Failure of Backup Link (Link Protection Only) | External Watchdog Scripting      |
| Reverse Mode- Reversed Logic (Backup Ports are Default)   |                                  |
| <i>Packet Spy</i> ™- Backup Switchover Triggered by Lack of Packets on Active Link                    |                                  |

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