

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:

The SM-2701CS series cards are simpler, less expensive cards with interfaces similar to the SM-2701C card: 3 10/100/1000BaseT RJ45 copper interfaces and similar functionality to Shore Microsystems SM-25XX Link Protectors. This card provides a link failure-based switching capability at an economical cost.

These cards detect link status and generate an alarm if any link fails. If the primary link is lost, the NPS will automatically switch the card to the backup link. By default, the switch is completed within 100 milliseconds after a 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 (SM-2701CS maintains connectivity on power loss between Protected and Primary links. SM-2701CSL maintains connectivity on power loss between the Protected link and the link connected at the time of the power loss—either Primary or Backup)
- ◆ External Watchdog trigger via SNMP
- ◆ Capability to Force Port to Backup Condition
- ◆ Enable/Disable of Automatic Switching (Manual Override)

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)	

* Note: It may take several seconds to restore connectivity since the devices connected to the SM-2701CS must reestablish link connectivity with each other after switching. The SM-2701C and SM-2701FE cards do not have this limitation.

