

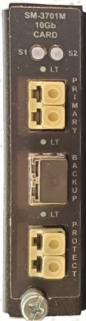
AVAILABLE PORT CARDS:

- SM-3701M: Adv 10G SFP+
- SM-2701C/CP: Adv 1G Copper
- SM-2701F: Adv 1G Fiber
- SM-2701CF: Adv 1G Copper=>Fiber
- SM-2701CS: Standard Copper
- SM-2701FC: Adv Fiber=>Copper
- SM-2701FE: Adv 100BaseX
- SM-2701IO: Contact Closure
- SM-2701S: Adv 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-3701M 10 Gbps Ethernet port card provide three SFP+ modules intended for connection to a primary, backup, and protected 10 Gbps Ethernet links. SM-3701M may be equipped with an internal optical bypass, allowing power-down connectivity for all-optical configurations.

The SM-3701M 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 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:

- ♦ Full Duplex 10.Gbps Ethernet links
- ♦ 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 (available only for all-optical configurations)
- ♦ *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)
- ♦ SFP+ Architecture allows Customizable Physical Layer Media Options

FIRMWARE FEATURES:

Corporate System (Base):	Enterprise System:
<i>Straight through Wire</i> [®] Technology allows Zero Power Connectivity (only optical SFP+ configurations)	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 Verification Feature
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 (Customizable Threshold)	External Watchdog Scripting
CRC Error Reporting	Turbo High Speed switching in < 800 usec

