SM-2701CF Advanced Copper to Fiber *Link Protector*®

Network Protection Chassis

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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Long Branch, New Jersey 07740

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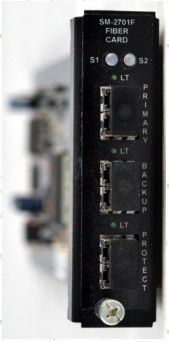
Support: support@shoremicro.com

Information: info@shoremicro.com

Sales: sales@shoremicro.com



PRODUCT DESCRIPTION:

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

The SM-2701CF 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. Faster switching can be accomplished with optional Turbo mode.

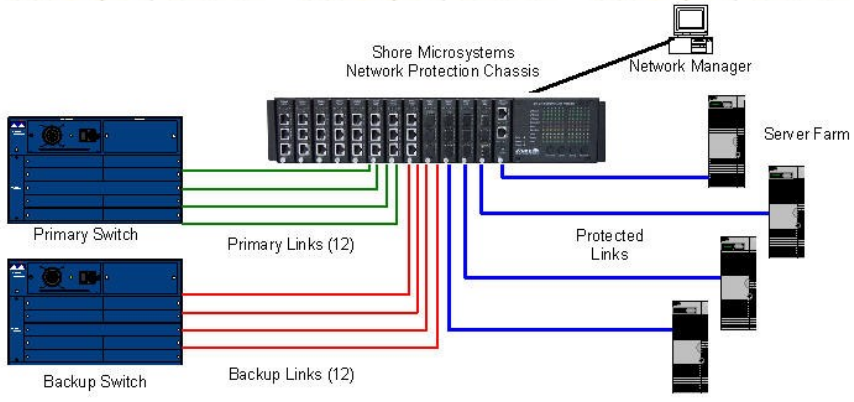
Once the primary link is restored, the server port will revert to the primary link automatically. The link may also be forced to switch to the backup port manually.

KEY BENEFITS:

- Auto Switch to Backup on Loss of Connectivity
- Auto Switch to Primary on Restoration of Connectivity
- *Packet Spy*™ 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

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 Verification Feature
Packet Spy™- 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 < 200usec



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