

AVAILABLE PORT CARDS:

- SM-3701M: Adv 10G SFP+
- SM-2701C/CP: Adv 1G Copper
- SM-2701F: Adv 1G Fiber
- SM-2701FB: Adv 1G Fiber Bypass
- 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

Telephone: 732-870-0800  
Toll Free: 800-600-9656  
Fax: 732-870-1912

Postal Address:  
45 Memorial Parkway  
Long Branch, New Jersey 07740  
USA

Support: support@shoremicro.com  
Information: info@shoremicro.com  
Sales: sales@shoremicro.com



PRODUCT DESCRIPTION:

Each SM-2701FB fiber port card provides three LC style duplex connectors intended for connection to a primary, backup and a protected 1000BaseSX Ethernet port. Single mode (LX or ZX) versions are available by special order. An internal optical bypass is available between Primary and Protected ports, enabling power-down connectivity between the Primary and Protected ports.

The SM-2701FB detects link activity and an alarm is generated if any link fails. If the primary link is lost, the NPS will automatically switch the port card to the backup link. By default, the switchover is completed within 100 milliseconds after primary link failure is detected. Once the primary link is restored, the protected port will revert to the primary link automatically. The port card may also be forced to switch to the backup link manually.

KEY BENEFITS:

- ♦ Auto Switch to Backup on Loss of Connectivity
- ♦ Auto Switch to Primary on Restoration of Connectivity
- ♦ *Straight through Wire*® Technology: Primary-to-Protected Link Connectivity on Loss of Power using Internal Optical Bypass Switch
- ♦ *Packet Spy*™ allows Switching to Backup on Lack of Traffic Flow
- ♦ External Watchdog trigger via SNMP
- ♦ Capability to Force Port Card to Backup Link
- ♦ Enable/Disable of Automatic Switching (Manual Override)
- ♦ Fiber Physical Layer - 1000BaseSX (SM-2701FB-SX), 1000BaseLX (SM-2701FB-LX), or 1000BaseZX (SM-2701FB-ZX) by special order

FIRMWARE FEATURES:

| Corporate System (Base):                                                                                                | Enterprise System:                                                       |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <i>Straight through Wire</i> ® Technology allows Zero Power Connectivity (only for non-media conversion 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                                       | External Watchdog Scripting                                              |
| CRC Error Reporting                                                                                                     | Turbo High Speed switching in < 200 usec                                 |

