

SM-2701CM (MPEG Link Protector Card) Network Protection Chassis

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OTHER CARDS AVAILABLE:

Model #: SM-2701F
Description: Fiber Card

Model #: SM-2701CS
Description: Standard Copper Card

Model #: SM-2701CF
Description: Copper to Fiber Card

Model #: SM-2701FB
Description: Fiber Card with Optical Bypass

Model #: SM-2701IO
Description: Contact Closure Card

Model #: SM-2701S
Description: RS-530 Serial Card

Model #: SM-2701RF
Description: RF Coaxial Card

Model #: SM-2701F10G
Description: 10G Fiber Card

Model #: SM-2801C
Description: Copper Bypass Card

Model #: SM-2801F
Description: Copper or Fiber Optical GBIC Bypass Card

Model #: SM-2801F10G
Description: Fiber Optical Bypass Card



Fully RoHS Compliant
Weight: 5.5 oz

PRODUCT DESCRIPTION:

The SM-2701CM port card, along with all the features of the SM-2701C, incorporates MPEG (Motion Picture XXX Group) packet inspection to monitor and control redundant link switching. In the event a MPEG stream problem is detected on a Primary link, the unit automatically switches to a Backup link containing a healthy MPEG stream. Depending on user programmable thresholds and action event triggers, the port card will provide the most healthy MPEG stream possible to the Protected interface.

The SM-2701CM is designed specifically for advanced video/audio/data streams found in the broadcast and studio television production market. The unit allows redundant video/audio/data multiplexers to be utilized with intelligent 24x7 monitoring of key TR 101 290 parameters. Key priority one and two metrics are programmable action indicators for determining healthy TS (transport stream) links. The port card relies on a more powerful FPGA (Field Programmable Gate Array) logic device to implement the deep packet inspection capabilities at up to the full line rate of 1 Gpbs.

KEY BENEFITS:

- ◆ Deep packet inspection of MPEG video/audio/control/data streams
- ◆ Detection of up to 6 simultaneously monitored PIDs (Program Identifiers) with custom thresholds for each PID
- ◆ Switch to Backup link automatically or by user intervention if MPEG stream does not contain expected content
- ◆ Automatic transparent support of RTP (Real Time Protocol), IPV4/IPV6, FEC-encoded TS packets, VLANs, and variable TS packets/Ethernet frame
- ◆ Detectors for TS CC (Continuity Counter) and Transport errors
- ◆ System log messages providing switching reasons and causes
- ◆ Monitor-only mode to view MPEG streams without triggering action events
- ◆ Fully backward compatible with SM-2701C Advanced Copper Card and all existing Shore Microsystems Network Protection Chassis features including port groups

SYSTEM REQUIREMENTS:

- ◆ Advanced Controller Card
- ◆ Enterprise Software License

BROADCAST STANDARDS:

- ◆ TR 101 290, ISO 13818-1, Pro-MPEG Code of Practice #3 Release 2
- ◆ ASI and TSOIP

MPEG PACKET INSPECTION EXAMPLE

