

FastE & GigE Cards

For the 1603 SMX SONET



Transporting Ethernet traffic without the use of adjunct boxes or replacement of existing network infrastructure.

Telmar's FastE and GigE cards allow network service providers to transport advanced IP services – video, voice over IP and data – by integrating Ethernet capable interfaces into their existing Telmar 1603 SMX SONET systems using Ethernet.

Ethernet transport over SONET protocol will provide revenue streams and help eliminate a forklift upgrade.

Telmar's 8-port FastE and 2-port GigE cards will:

- Provide a means of transporting Ethernet traffic without the use of adjunct boxes or replacement of existing network infrastructure.

- Support VLAN, GFP with VCAT and Jumbo Frame capabilities with a limited RMON capability.
- Allow easy upgrading from TDM to Ethernet circuits via a simple swap of cards.

Telmar's ongoing commitment is to provide high quality, low cost extended life product support and manufacturing services that help network service providers uncover savings in their network!

For the latest updates on Telmar's FastE and GigE cards, please contact us at:
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FastE & GigE Cards

Ethernet Transport Over Existing 1603 SMX SONET Platform

8-PORT LOW-SPEED ETHERNET LAN INTERFACE PLUG-IN UNIT

Supported Standards

- IEEE 802.3ah
 - > Standard for information technology, telecommunications and information exchange between systems, local and metropolitan area networks, specific requirements: Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) access method and physical layer specifications.
- Telcordia GR--253--CORE
 - > SONET Transport Systems: Common Generic Criteria
- GR--63--CORE
- GR--1089--CORE
- Metro Ethernet Forum
 - > Network Architecture framework, Ethernet Services Attributes
- RFC1650
 - > Statistics

Part Number 300-6000-902T

Mnemonic LIFL01

10Base-T Input/Output Ethernet LAN Interface

Physical Interface	RJ45
Line Frequency	10 MB/s
Frequency Tolerance	+ 50 ppm
Line Code	Manchester
Impedance	100 Ω
Cable Length	100 Meters/328 Feet
Transmitter Differential Return	Loss 8 dB
Receiver Differential Return	Loss 8 dB

100Base-Tx Input/Output Ethernet LAN Interface

Physical Interface	RJ45
Line Frequency	100 MB/s
Frequency Tolerance	+ 50 ppm
Line Code	Manchester
Impedance	100 Ω
Cable Length	100 Meters/328 Feet
Transmitter Differential Return	Loss 8 dB
Receiver Differential Return	Loss 8 dB

2-PORT GIGABIT ETHERNET LOW-SPEED INTERFACE PLUG-IN UNIT

Supported Standards

- IEEE 802.3ah
 - > Standard for information technology, telecommunications and information exchange between systems, local and metropolitan area networks, specific requirements: Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) access method and physical layer specifications.
- Telcordia GR--253--CORE
 - > SONET Transport Systems: Common Generic Criteria
- GR--63--CORE
- GR--1089--CORE
- Metro Ethernet Forum
 - > Network Architecture framework, Ethernet Services Attributes
- RFC1650
 - > Statistics

Part Number 300-6001-901T

Mnemonic LIFM01

1000BaseLx Input/Output Ethernet Interface

Physical Interface	RJ45
Line Frequency	1.0 GB/s
Frequency Tolerance	+ 50 ppm
Line Code	Manchester
Impedance	100 Ω
Cable Length	100 Meters/328 Feet

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