

FT100 & FT100S FT100 T1/Fractional T1 DSU/CSU

T1 / fractional T1 DSU/CSUs provide high-speed interface from voice or data equipment to a 1.544 Mbps transmission facility.

KEY FEATURES

- T1 or Fractional T1 Speeds
 - Point-to-point or point-to-multipoint
 - Supports all fractional T1 channel configurations
- LCD Front Panel provides fast and easy setup and configuration
- Supervisory Port - Access to unit locally by an ASCII terminal or remotely by modem
- Nest Card (FT100 / FT100S)
 - Maximum density for a limited space
 - RM16M nest backplanes ship with individual FT100 / FT100S nest cards
- Network Management (FT100M) - SNMP or Telnet and is MIB II compliant
- DTE Port Interface Options includes ITU V.35, EIA530 and DSX-1 (FT100/FT100M only)



The FT100 and FT100S are members of the Raymar-Telenetics family of T1 products

Supporting T1 or Fractional T1 point-to-point or multipoint connections, these fully functional T1/fractional T1 DSU/CSUs provide high-speed interface from voice or data equipment to a 1.544 Mbps transmission facility and supports all fractional T1 channel configurations.

All T1/FT products come equipped with a supervisory port that allows access to the unit either locally by an ASCII terminal or remotely by modem. The supervisory port gives you complete control of the unit for tasks such as configuration, diagnostics, retrieval of statistical information on T1 line performance, or taking control of a remote device.

The DTE port interface options include ITU V.35, DSX-1, and EIA530. The type of interface is determined by interchangeable plug-in cards and should be selected when ordering.

FT100

The FT100 is a dual port T1/FT1 device which provides the interface from voice or data equipment to a 1.544 Mbps transmission facility. Its features include two DTE ports, factory orderable as V.35, EIA530, and, for voice input, DSX-1. The standard LCD front panel simplifies configuration. For applications requiring high-density, up to 16 FT100 devices can reside in a RM16 nest.

FT100S

The FT100S is a single port T1/FT1 device which provides the interface from data equipment to a 1.544 Mbps transmission facility. It's the ideal choice for applications which have outgrown their DDS bandwidth and require a single V.35 or EIA 530 interface for high speed applications such as LAN interconnection, video conferencing, high-speed workstations (CAD/CAM), and host computer communications. The standard LCD front panel simplifies configuration. For applications requiring high-density, up to 16 FT100S devices can reside in a RM16 nest.

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FT100 & FT100S • FT100 T1/Fractional T1 DSU/CSU

PRODUCT SPECIFICATIONS

NETWORK INTERFACE

Line Rate: 1.544 Mbps ± 75 bps
 Line Code: AMI or B8ZS
 Input Signal: +3.5 dBDSX to -34 dBDSX
 Output Signal: DSX-1 w/LB0
 Receive LB0: Automatic
 Transmit LB0: Selectable 0, 7.5, 15dB
 Impedance: 100 ohms nominal
 Framing: SF or ESF
 Jitter Tolerance: Per AT&T Publication 62411
 Connector: RJ48C 8-pin modular jack

NETWORK LOOPBACK CODES (in band)

Set Code: '10000' per AT&T Publication 54016
 Reset Code: '100' per AT&T Publication 54016
 Detection Time: 4 seconds

DTE PORT DIAGNOSTICS

- Local terminal loopback
- Remote terminal loopback
- Remote loopback
- 511 test pattern

DTE INTERFACE

Data Port Configuration: V.35, EIA-530, DSX-1 (as available by model)

 Data Rates: n x 56 kbps, n x 64 kbps (n=1 to 24) from 56 kbps to 1.536 Mbps (1.544 Mbps DS1)

 Electrical: V.35, EIA-530 / 449 or DSX-1
 Connector: 25-pin D-type female connector with included V.35 adapter(s)

CONTROL PORT

Electrical: EIA-232
 Data Rate: 300 to 19,200 bps, asynchronous
 Connector: 9-pin D-type male connector

POWER SUPPLY

Power Source: 115/230 VAC
 Power Consumption: 6 watts typical

MECHANICAL DIMENSIONS

FT100 / FT100S: 10.25" x 7.0" x 2.25"
 Nest Cards: 9.5" x 6.3" x 0.9"

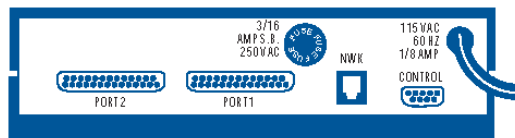
ENVIRONMENTAL

Operating Temperature: 32° to 122° F (0° to 50° C)
 Relative Humidity: 0 to 95% non-condensing
 Detection Time: 4 seconds

COMPARISON GUIDE

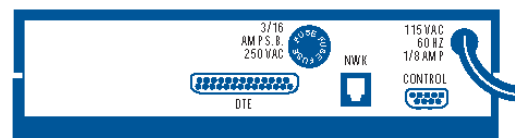
	FT100	FT100S
All Std Rates N X 56/64Kbps and 1.544Mbps	•	•
Number of Ports	2	1
Flexible DSO Assignment	Alternating Contiguous	Alternating Contiguous
Supervisory Port	•	•
Uniform Synthesized DTE Transmit & and Receive Clock	•	•
B8ZS Clear Channel	•	•
AMI to B8ZS Transcodes	•	•
ESF or SF (D4) Framing Modes	•	•
SF to ESF (D4) Transcodes	W/DSX-1	•
LCD Front Panel	•	•
Front Panel LED Display	•	•
Performance History Log	•	•
Advanced Diagnostics	•	•
Alarms	•	•
Power Option	115/230	115/230
RM16 Nest Compatible	•	•

FT100



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FT100S



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WARRANTY

Raymar-Telenetics manufactured products are warranted against defects in hardware material and workmanship under normal use for one (1) year from date of original retail purchase. Defective product will be repaired or replaced, determination to be made by Raymar-Telenetics, at no charge. Repaired or replaced products are warranted for 90 days or for original warranty period, whichever is longer. Warranty extends to original end-user only.



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