

T1 CSU/DSU ASE

With Modem

Key features

- Inband management capabilities
- Multi-Protocol or IP Transport software
- Service Level Agreement (SLA) metrics
- Drop-and-Insert capabilities through DSX port
- Internal modem
- Voice over IP (VoIP) analysis capability
- Application analysis capability
- LMI spoofing
- LAN management port
- Power loss detection
- Realtime events

The Visual UpTime® Select™ T1 CSU/DSU ASE is deployed on a T1 access line at the demarcation point between the provider network and customer premises. It supports full and fractional (FT1) T1 networks and provides connectivity through V.35 interface.

The ASE supports Multi-Protocol software for deployment in standard frame relay or HDLC networks and IP Transport software for deployment in networks that use IP switching.

This ASE features an internal modem that allows users to establish a telephone connection to either the ASE's administrative interface or a pass-through connection through the serial port.

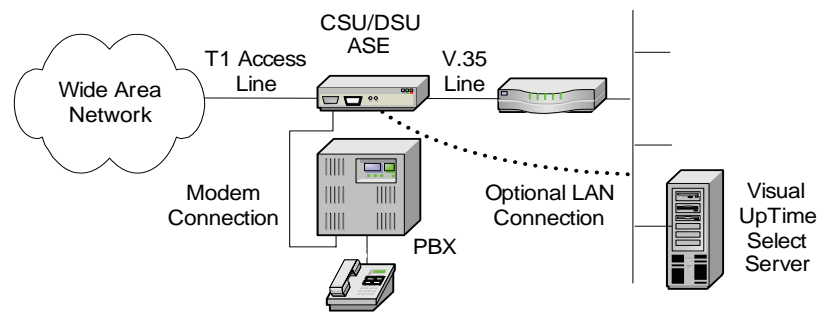
In addition to performing standard CSU/DSU functions—such as BER tests, loopbacks, and power failure detection—the ASE is capable of inserting management traffic.



T1 CSU/DSU model 807-0111 front view



T1 CSU/DSU model 807-0111 rear view



T1 CSU/DSU model 807-0111 position on network



| T1 CSU/DSU ASE specifications | | |
|--|--------------------------------|---|
| General | Dimensions | 8.16" (20.7 cm) x 9.0" (22.8 cm) x 1.62" (4.1 cm) Plastic case with internal power supply. |
| | Weight | 2.10 lbs. |
| | Data Rate | 1.544 Mbps synchronous |
| | Timing Mode | Derived externally from the T1 network or DSX-1 interface, or internally from the ASE. |
| Environment | Operating Temperature | 0° to +40°C (+32° to +104° F) |
| | Storage Temperature | -20° to +55°C (-4° to +131° F) |
| | Clearance Requirement | Minimum of 3" (7.62 cm) space on sides. |
| | Operating and Storage Humidity | 10% to 90%, noncondensing |
| Power Requirements | Input | 100 to 120 VAC |
| | Frequency | 50/60 Hz |
| | Input Current Rating | 0.5 amps |
| T1 Network Interface | Line Rate | 1.544 Mbps ±50 bps synchronous |
| | Line Format | AMI or B9ZS line coding |
| | Framing | ESF or D4 framing formats |
| | ESF FDL | ANSI T1.403, AT&T TR54016, Both, or None |
| | Input Signal | 0dB to -36dB |
| | Output Signal | 0, -7.5dB, -15dB, -22.5dB LBO |
| | Pulse Density | AT&T 62411 |
| | Connector | 8-pin modular jack—USOC: RJ48C |
| | Timing | Loop, DSX-1, or Internal |
| | Channel Selection | 1 to 24 channels in any combination |
| Network DTE Interface (Data Port) | Configuration | DCE for interfacing with DTE |
| | Data and Clock Leads | ITU-T V.35 |
| | Signaling Leads | EIA RS-232 (ITU-T V.28) |
| | Data Rates | 56 kbps x N or 64 kbps x N (N = 1 through 24) |
| | HDLC Inversion | Selectable V.35 data inversion |
| | Transmit Timing Basis | Network selected-source timing |
| | Receive Timing Basis | SCT, inverted SCT, SCTE |
| | Receive Line Data Not Valid | RLSD, CTS |
| Serial Port Interface | Specifications | 19200 or 9600 bps baud rate, 8 data bits no parity, 1 stop bit, EIA RS-232 DTE electrical format, RJ-45 connector |
| | Connector | Female 34-pin V.35 connector |
| Ethernet 10/100BaseT Interface | Bite Rate | 10 or 100 Mbps |
| | Connector | 8-pin modular jack: RJ-48 |
| Modem | Connector | RJ11 |
| | Standard | FCC Part 68 and IC-CS03 |
| | Compliance | US and Canada |

What are ASEs?

ASEs (Analysis Service Elements) are data collection and network performance monitoring hardware devices placed on a wide area network (WAN) or Local Area Network (LAN) as part of the Visual UpTime Select system, which offers in-depth, real-time, and historical visibility into the performance of your applications infrastructure. In the system, data gathered by ASEs is stored in the Visual UpTime Select server and displayed and analyzed from the Visual UpTime Select Web client. As a service level management tool, ASEs indicate when services are being met, provide warnings when services start to degrade, and send alerts when services are not met.

Hardware Warranties

Enhanced Gold, Bronze, and International Gold ASE hardware warranty service programs are available to help you maximize your investment in Visual UpTime Select. For more detailed warranty information, visit: www.flukenetworks.com/visualcustomercare

Ordering Information

For more details, please contact your Visual UpTime Select authorized reseller or Fluke Networks Sales at (800) 240-4010 or (301) 296-2300.

NETWORK SUPERVISION

Fluke Networks
P.O. Box 777, Everett, WA USA 98206-0777

Fluke Networks operates in more than 50 countries worldwide. To find your local office contact details, go to www.flukenetworks.com/contact.

©2006 Fluke Corporation. All rights reserved.
Printed in U.S.A. 2/2006 2643374 D-ENG-N Rev A