4xT1/E1 inline probe ASE
With LinkSafe capabilities

Key features

- Four management ports
- MLPPP support on IP Transport software
- Inband management capability
- LinkSafe technology
- Power loss detection
- Service Level Agreement (SLA) metrics
- Application analysis capability
- LMI spoofing
- LAN management port
- Realtime events

The Visual UpTime® Select™ 4xT1/E1 inline probe ASE enhances the data analysis functionality of the Visual UpTime Select system for enterprises with two-to-four T1 or E1 circuits terminating at a single location. The ASE provides up to 6.176 Mbps (T-standard) or 8.192 Mbps (E-standard) of detailed network traffic analysis and management, while maintaining full wire speed pass-through of all traffic. In its initial release, the ASE supports IP Transport software over MultiLink Point-to-Point Protocol (MLPPP) T1 links.

The 4xT1/E1 ASE includes LinkSafe™ technology to protect circuit integrity in case of a power outage and it also delivers a notification alarm if there is a power failure.
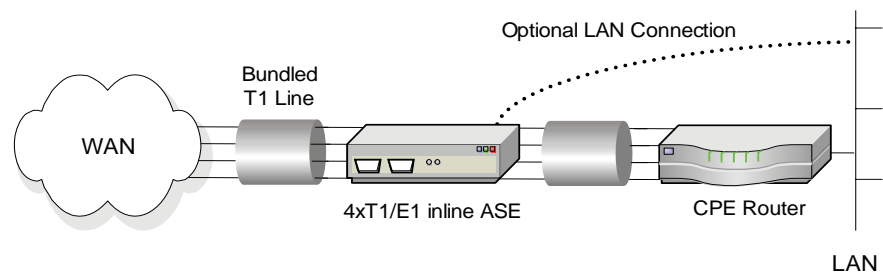
Designed for locations with multiple circuits terminating at a single device, the 4xT1/E1 is typically deployed as an inline probe between the service provider's edge device and the customer's termination equipment. The figure below highlights the multilink deployment for the 4xT1/E1 ASE.

4xT1/E1 inline probe model 807-0115 front

4xT1/E1 inline probe model model 807-0115 rear

4xT1/E1 inline probe model 807-0115 position on network

Technical Data

4xT1/E1 inline probe ASE specifcations

Category	Parameter	Value
General	Dimensions	8.16" (20.7 cm) x 9.0" (22.8 cm) x 1.62"(4.1 cm)
	Weight	7 lbs.
	Data Rate	T1: 1.536 Mbps, E1: 1.984 Mbps
	Timing Mode	Derived externally from the T1 or E1 network, user interface, or internally from the ASE.
Environment	Operating Temperature	0° to $+40^{o}$C ($+32^{o}$ to $+104^{o}$ F)
	Storage Temperature	-20° to $+55^{o}$C (-4° to $+131^{o}$×F)
	Clearance Requirement	Minimum of 3" (7.62 cm) space on sides.
	Operating and Storage Humidity	10% to 80%, noncondensing
Power Requirements	Input	100 to 240 VAC
	Frequency	50/60 Hz
	Input Current Rating	0.5 amps
T1 Network Interface (Ports 1-4)	Line Rate	1.544 Mbps ±50 bps synchronous
	Line Format	B8ZS line coding
	Framing	ESF framing formats
	Input Signal	0dB to -36dB
	Output Signal	0, -7.5dB, -15dB, -22.5dB LBO
	Pulse Density	AT&T 62411
	Connector	100 ohm 8-pin modular jack—USOC: RJ48C
	Timing	Network or User
	Channel Selection	1 to 24 channels in any combination
E1 Network Interface (Ports 1-4)	Line Rate	2.048 Mbps ±102.4 bps synchronous
	Line Format	HDB3 line coding
	Framing	CRC4 or FAS framing formats
	Time Slot 16	CAS, CCS, or Data
	Input Signal	0dB to -43dB
	Output Signal	0dB
	Connector	120 ohm RJ-48C balanced and 75 ohm BNC unbalanced coaxial
	Channel Selection	1-31 (includes channel 16) or 1-15, 17-31 (does not include channel 16)
Serial Port Interface	Baud Rate	19200 or 9600 bps
	Parity	8 data bits, no parity
	Stop Bit	1 stop bit
	Electrical Format	EIA RS-232, DTE
	Connector	RJ-45
Ethernet 10/100BaseT Interface	Bite Rate	10 or 100 Mbps
	Connector	8-pin modular jack: RJ-48

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.