

OptiQmax Series Broad band Access Multiplexer

The OptiQmax 2100 is a full-featured single port DSU that converts DTE signals to E1 network.



OptiQmax 2100 Intelligent FE1 DSU

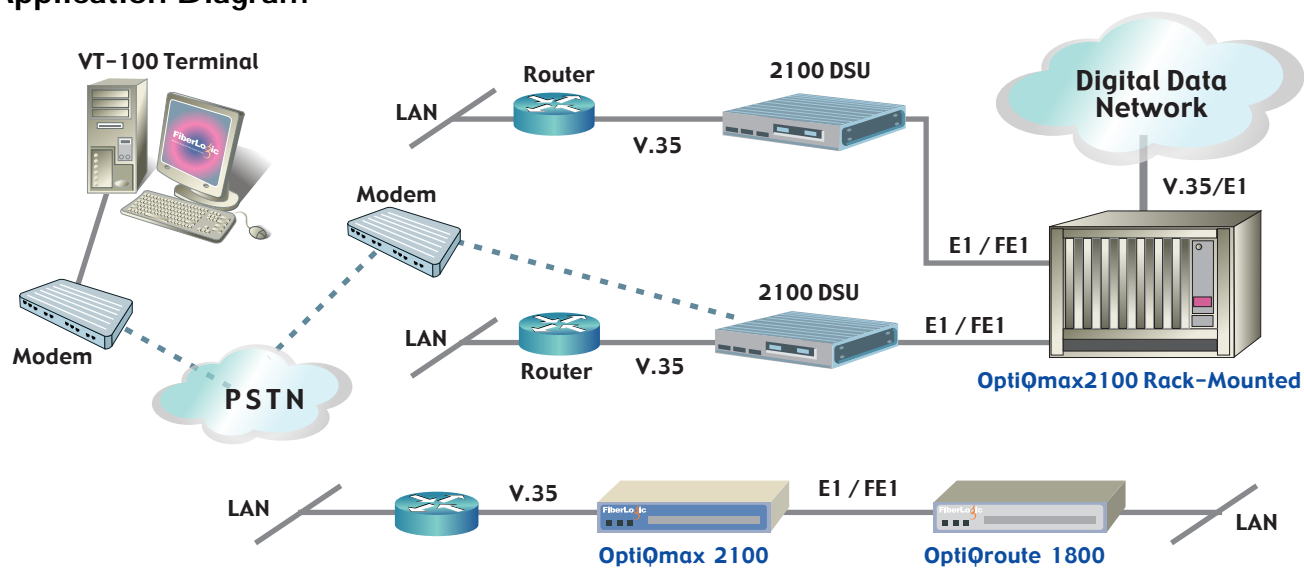
The OptiQmax 2100 is a full-featured single port DSU that provides a versatile and cost effective interface between Digital Terminal Equipment (DTE) and E1 digital line facilities. This unit provides access to E1 and fractional E1 at the transmission rate of 2048 kbps.

OptiQmax 2100 allows users to interconnect LANs and WANs, voice and videoconference, mainframe hosts, and others. It is ideally suited for point-to-point connection of multiple data internetworking devices. OptiQmax 2100 can be controlled and configured through front-panel operations, local terminal, or SNMP management through a modem and telnet connection. Users can remotely control and diagnose OptiQmax 2100 from anywhere. Moreover, OptiQmax offers comprehensive performance monitoring and diagnostics. These features simplify installation and troubleshooting, thereby reducing network downtime and remote technician costs.

Key Features

- Convert the DTE port signal to E1 network.
- User-programmable data port speed.
- Powerful web-based network management & SNMP management.
- Extensive performance monitoring and diagnostic to maintain the line and troubleshoot problems.
- Reliable, flexible and cost effective.
- Ideal for E1 Internet backbone connectivity.
- Software download for field pgrade.

Application Diagram



OptiQmax 2100 Intelligent FE1 DSU

FiberLogic
Broader, Smarter Managed Access

SPECIFICATIONS

Network Line Interface	Line Rate	2.048Mbps±50 ppm
	Line Code	AMI/HDB3 (selectable)
	Framing	ITU-T G.704/unframe
	Timing Source	Network (Loop), internal, or DTE
	Pulse Shape	TU-T G.703, MD 6300-1
	Jitter	ITU-T G.823
	Impedance	120Ω±5% balanced or 75Ω±5% unbalanced, resistive
	Connectors Type	RJ48C twisted pair or BNC Coax
DTE Interface	Number of Port	1
	Data Rate	n x (56 or 64) Kbps (n=1~32)
	Interface Type	V.35, V.36, EIA530
	Connector Type	34 pin M34 socket or DB25 female
COMM/NMS Ports	Protocol	VT-100 compatible ANSI (COMM), Telnet, and SNMP (optional)
	Console Port	RS232 port for direct VT-100 terminal or dial-up modem
	Front Panel	2-line x 24-character LCD display and operation keys
Power Requirements	Voltage	90~264 VAC, 47 Hz to 63 Hz and -42~60 VDC
Performance Monitoring	Error Counts	Last 24 hours in 15-minute increments and last 7 days in 24-hour summary
	Error Events	Event errors, error seconds, bursty seconds, severe error seconds, Unavailable seconds, %available seconds, %error free seconds for both near and far end
	Alarm History	Date&Time, Alarm Type (MCLK Loss, RAI, AIS, LOS, BPV, ES, CSS)
	Alarm Queue	Contains 40 alarm records which record the latest alarm type, and date&time stamp
Diagnostics	Loopbacks	Line, Local, Payload, DTE
	Remote Loopback	Line and Payload
	Test Pattern	PRBS 2 ¹⁵ -1 or more
Physical	Dimensions	1 RU, rack mountable, desk-top stackable; Brackets for 19- or 23-inch rack 300mm(L) x 210mm(W) x 44mm(H)
Operation Environment	Operating Temperature	0°~ +60°C
	Relative Humidity	0% ~ 95% non-condensing
	MTBF	>50000 hours
Certifications	EMI/EMC	Comply with FCC Part15, Subpart J, class A

©2003 Fiber Logic Communications, Inc. Rev A, 11/01

www.fiberlogic.com

E-mail:sales@fiberlogic.com

Fiber Logic Communications, Inc.

HeadQuarter

5F-3, No.9 Prosperity Road One, Science-Based Industrial Park, Hsinchu, TAIWAN

Tel:+886-3-563-8889 Fax:+886-3-563-8899

Sales and Marketing

2F, No.37-1, Sec.1 Jing-Shan South Road, Taipei, TAIWAN

Tel:+886-2-2356-0588 Fax:+886-2-23568678