



We Are Optical Networking

AM2548 8 port Muxponder

Multiplex up to 8 optical signals into a 10Gb/s signal at rates up to 4.25Gb/s

Avvio Networks' AM2548 multiplexes up to 8 optical data streams into a 10Gb/s data stream.

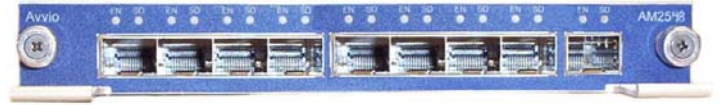
The number of ports that are multiplexed onto the 10Gb/s data stream can be dynamically changed as long as the total aggregate input does not exceed the Line side capacity.

All client ports uplink utilize user-accessible SFPs, allowing the user to select between short reach, long reach or multi-mode.

The 10Gb/s interface XFP options include 1310nm, 1550nm, or DWDM on an ITU channel.

The AM2548 is supported by Avvio Networks' provisioning software, providing local serial management, Telnet and SNMP management

NOTE: This information is preliminary and subject to change.



Features

8 Client Side Ports to 10G Uplink

Any Rate, Any Protocol, Any Time
100Mbps to 4.25Gbps

Mix and match multiple protocols and rates on a single AM2548

User accessible SFP and XFP interfaces

Datarate	Protocol	Signals/AM2548
100Mbps	Ethernet	8
OC-3	SONET	8
OC-12	SONET	8
1.25Gbps	Ethernet	8
1.06Gbps	Fiber Channel	8
2.12Gbps	Fiber Channel	4
OC-48	SONET	4
4.25Gbps	Fiber Channel	2

The AM2548 Muxponder is a member of Avvio Networks' family of intelligent optical networking products. For more information, please send an email to: sales@avvionetworks.com. Avvio Networks is a trademark of Avvio Networks

Avvio Networks' advanced optical networking products set the standard for a new breed of cost-effective networks and services.

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Technical Specifications

System Level

Data Rates	100Mb/s to 4.25Gb/s Client side
Clocking	Meets applicable SONET/SDH wander and jitter specifications.

Line side

Interface	XFP Complies with GR-253 Core and applicable ITU-T G.957 standards.
Receiver sensitivity	-9 to -22dBm
Transmitter (LR)	0-9dB typ (Depends on XFP selected. Contact Avvio Networks for available options)

Client side

Options:	SFP -1310nm short, intermediate or long reach. (Optional 1550nm lr)
Receiver sensitivity (SR)	-3 to -20dBm
Transmitter	-6dB typ (Depends on SFP selected. Contact Avvio Networks for available options)

System Management (Via AM2502 Controller Card)

Remote Provisioning	SNMP
Craft Port	RS-232 asynchronous interface 9600, 8, N, 1

Power Requirements

Power Input	-40 to -70VDC (-48VDC nom)
Power Consumption	15W typical, 30W maximum

Environmental

Operating Temperature, Relative Humidity, Vibration, Shock and Flammability	Designed to comply with Bellcore NEBS (GR63) TR-NWT-0000-63
EMI, EMC	Complies with FCC part 15 class A, UL950 and CE, GR-1089

Dimensions

Chassis size	~6" X 9" X 1" 1 slot width in an A2500 chassis
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