

Avvio Networks

AM2560 OC-48/STM-16 to OC-192/STM-64

Multiplex 4 OC-48/STM-16 signals into an OC-192/STM-64 signal

Avvio Networks' AM2560 Multiplexer is an optical edge device that multiplexes 4 OC-48/STM-16 signals at 1310nm or 1550nm into an OC-192/STM-64 signal at 1310nm, 1550nm or a DWDM wavelength. The AM2560 is designed for use in Avvio Networks' A2050, A2500 or A2600 Chassis.

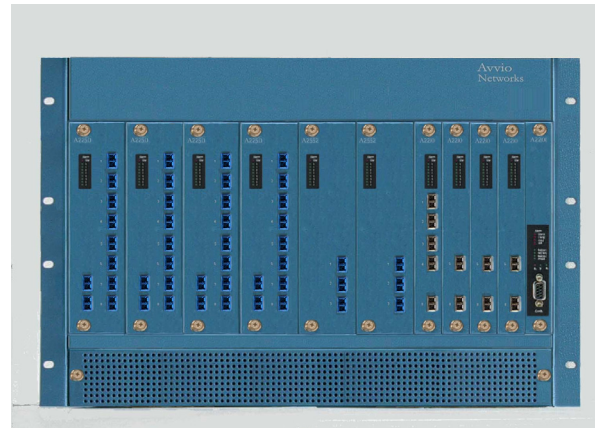
The AM2560 re-times, re-generates and re-shapes the optical signals for increased data reliability. Data can be clocked using an internal source or a recovered clock from any port. The AM2560 also features non-intrusive SONET/SDH overhead monitoring and can be configured to trigger alarms based on a number of error conditions.

The OC-48/STM-16 interfaces utilize user-accessible SFP transceivers available from Avvio Networks. The SFPs provide per-port interface flexibility.

The OC-192/STM-64 interface utilizes a user accessible XFP, however, the AM2560 can also be used with an AM2545S WAN module. The AM2545S supports 1550nm and DWDM interfaces as well as an extended reach option, allowing links up to 200kmm without costly dispersion compensation.

The AM2560 is managed via the AM2502 controller card, with SNMP, console and Telnet interfaces.

Available options include VSR, SR, and IR 1310nm and 1550nm fixed lasers. For long-haul applications, please contact Avvio Networks.



Features

Multiplex OC-48/STM-16 into an OC-192/STM-64 signal

Leverage 1310, or 1550nm equipment onto DWDM networks

Non-Intrusive SONET/SDH overhead monitoring

Supports Concatenated Payloads

Meets applicable SONET/SDH timing and jitter specifications

User Accessible XFP or use with AM2545

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	2.488 Gb/s and 9.953 Gb/s
Clocking	Meets applicable SONET/SDH wander and jitter specifications.

OC-192/STM-64 Interface (Line)

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)

OC-48/STM-16 Interface (Client)

Options:	1310nm short, intermediate or long reach. (Optional 1550nm lr)
Receiver sensitivity (SR)	-3 to -20dBm
Transmitter	-6dB typ

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	20W typical, 40W 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 on AM2560 chassis
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Note: These specifications are subject to change without notice

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