

Avvio Networks

AM2552 Quad Port Multi-Rate Tunable Repeater

Four Rate and Protocol Independent Interfaces

Avvio Networks' AM2552 is a four port protocol independent optical edge device with user-accessible SFPs supporting 850nm, 1310nm, 1550nm, or C/DWDM optical interfaces. The AM2552 is used to repeat and wavelength shift data streams from 100Mb/s to 4.3Gb/s.

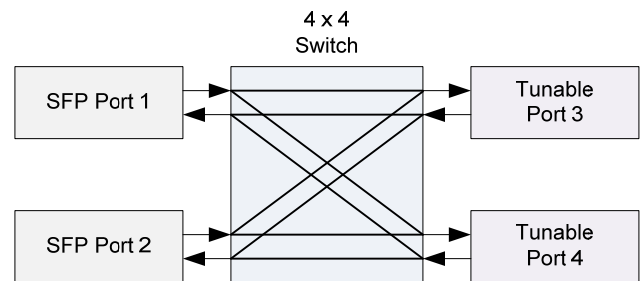
The AM2552's protocol independent architecture enables service providers to natively support any protocol including SONET, SDH, Gigabit Ethernet, InfiniBand, ATM, and TDM traffic at any rate from 100Mb/s to 4.3Gb/s. It operates independently of the incoming bit rate.

The AM2552 has an internal switch with any-in-to-any-out functionality, allowing the AM2552 to be configured to support APS, broadcast, and to connect the two tunable ports together.

The AM2552 can be used to provide diverse route protection.

The AM2552 and its SFPs are hot swappable. The tunable ports are tunable across the entire "C" band. SFPs for specific protocols and reach as well as multi-rate are available.

The two tunable ports are fully tunable across the entire C band. They are available with 50 and 100 Ghz spacing, and are independently tunable; they can be tuned to two separate channels.



Features

Fully tunable across the entire "C" band

Supports Unicast and Multicast operation

APS protection

User Accessible 850nm, 1310nm, 1550nm or C/DWDM SFP transceivers

Protocol and bit rate independent from 155Mb/s to 4.3Gb/s

The AM2552 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 enables the reliable delivery of next generation services while reducing operating costs and simplifying network operation.

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Technical Specifications

System Level

Data Rates	100Mb/s to 4.3 Gb/s
Clocking	Meets applicable SONET/SDH wander and jitter specifications.
BER	$<10^{-15}$

Optical Interface

Channel Spacing	50 and 100 Ghz.
Transceiver	2 user-accessible SFPs. 2 internal tunable ports

System Management (via AM2502 Controller Card)

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

Power Requirements

Power Input	-40 to -70VDC (-48VDC nom)
Power Consumption	25W typical, 35W maximum (Exclusive of SFPs)

Environmental

Operating Temperature, Relative Humidity, Vibration, Shock and Flammability	Designed to comply with Bellcore NEBS (GR63) TR-NWT-0000-63 and ETSI ETS 300-19-1
EMI, EMC	Complies with FCC part 15 class A, ETSI EN50082-1

Dimensions

Card size	~6" X 9" X 1" (1 card slot in A2050, A2500, or A2600 chassis)
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Note: these specifications are subject to change without notice

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