

# Avvio Networks

## AM4025 Reconfigurable OADM

### Add/Drop multiple WDM wavelengths to /from a single fiber

The AM4025 is a reconfigurable optical add drop multiplexer (ROADM) with 8 optical add/drop ports allowing WDM devices to be coupled onto or off of a fiber ring or mesh without disturbing other devices on the network.

The AM4025 works with all Avvio Networks products or any ITU-compliant optical device to allow multiple WDM channel operation over a single fiber.

The AM4025 offers SNMP, Telnet, and console management of the ports via the AM2502 controller card, an integrated VOA, and power monitors on the Common and add ports. It also offers settable alarm thresholds on each port, along with automatic signal leveling on the add ports.

The AM4025 offers both warning and failure alarms.

The AM4025 is available in 2 versions, edge and core. The edge version is primarily used at the edge of a network to connect to equipment such as a router, SONET ADM, or regenerator.

The core version is used where multiple wavelengths are dropped and or added per client channel. These devices are used in a mesh network or when connecting networks from multiple carriers (such as a tandem connection), or when adding optical redundancy in a network.

The AM4025 can be used with Avvio Networks' AM403X series of optical amplifiers for a complete optical networking system. The AM4025 is also supported by Avvio Networks' Element Management System (EMS), a GUI based network management tool.

The AM4025 Optical Multiplexer is a member of Avvio Networks' family of intelligent optical networking products. For more information, please send email to: [sales@avvionetworks.com](mailto:sales@avvionetworks.com). Avvio Networks is a trademark of Avvio Networks.



### Features

Add/drop devices without disturbing the network.

Protocol independent

SNMP monitoring and management

Settable warning and failure Alarm Thresholds

Power monitoring

Works with any ITU-compliant optical devices

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

Avvio Networks  
19 Crosby Dr  
Bedford, MA 01730  
(781) 271-0002

email:  
[sales@avvionetworks.com](mailto:sales@avvionetworks.com)  
[www.avvionetworks.com](http://www.avvionetworks.com)

## Technical Specifications

### WDM Interface

Channel Spacing	50, 100Ghz
Channel Passband	TBD

### Loss

In to Add or Drop	TBD
Loss uniformity	TBD
Return Loss	TBD

### DeMux Isolation

Adjacent channel	TBD
Non-Adjacent	TBD

### Mux Isolation

Adjacent channel	TBD**
Non-Adjacent	TBD**

### Polarization Dependant Loss

TBD

### Environmental

Operating Temperature, Relative Humidity, Vibration, Shock and Flammability	Complies 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

Module size	~12 X 9" X 2" (2 slots in the A4000 chassis)
-------------	-------------------------------------------------

## Ordering Information

AM4025- (type)-(channel spacing)

For example, the order number for an 8 port 100Ghz DWDM edge device would be:  
AM4025-E-100

\*Specifications provided here are for 100Ghz unit. Contact Avvio Networks for 50Ghz or other specifications.

\*\*Contact Avvio Networks for specifications

Note: these specifications are subject to change without notice

Copyright © 2008 Avvio Networks. All rights reserved. Avvio Networks is a trademark of Avvio Networks  
Lit number: AM4025.1