CommScope’s Value-Added Module (VAM) system adds flexibility and functionality to the optical transport system by enabling service providers to easily incorporate optical components into the network. This versatile platform lays the foundation for the optical network of the future.

CommScope’s VAM Modules feature:

- Enclosed Plug-in modules protect the optical components from physical and environmental damage
- Angled retainers maintain minimum bend radius of fiber patch cords
- Pluggable modules can be added or removed from the chassis without interfering with existing terminated patch cords
- Flexible platform: modules can be created for new applications quickly and easily to meet customer requirements
- Custom configurations are available upon request

The NGF VAM WDM system consists of a variety of optical component modules that fit into the NGF ODF VAM blocks and FMT fiber panels.

WDM applications include:

- Wavelength Division Multiplexing Increase capacity without deploying additional fiber
- CWDM Applications Increase bandwidth by transmitting multiple wavelengths simultaneously
- DWDM Applications Further increase bandwidth and capacity using closely spaced wavelengths in the ITU grid

### Product Classification

**Regional Availability**

- Asia
- Australia/New Zealand
- EMEA
- Latin America
- North America

**Portfolio**

CommScope®

**Product Type**

- CWDM module
- DWDM module
- WDM module

**Product Series**

NGF

### General Specifications

**Device Type**

Micro VAM

**Functionality**

Demultiplexing  |  Multiplexing

**Application**

For use with FMT panels  |  For use with NGF frames

**Interface, Input**

- LC/APC
- LC/UPC
- SC/APC
- SC/UPC

**Interface, Output**

- LC/APC
- LC/UPC
- SC/APC
- SC/UPC
Port Configuration

Ordering Tree
NGF-FMT-WDM-MODULES

FMT-MW Module for FMT, NGF MicroVAM chassis
MXM-W Module for OMX600 high-density VAM chassis

WDM Module Options
2 Common front, λ front

Common Port Connector/Adapter
7U SC/UPC
7A SC/APC
KU LC/UPC
KA LC/APC
00 Bare fiber

λ Port Connector/Adapter
7U SC/UPC
7A SC/APC
KU LC/UPC
KA LC/APC
00 Bare fiber

Module Configuration
A Single circuit
B Dual circuit

Catalog Number
0
0

λ Port Pigtail Length
Common Port Pigtail Length
0 = Adapters only on input and output ports

Wavelength
A 1310 (λμ)/1550 (λμ)
D 1550 (λμ)/1625 (λμ)
F 1310 (λμ)/1625 (λμ)

Isolation
1 Standard -15 dB
2 High -30 dB
3 Very high -45 dB

WDM Component Types (x,y,z)
A Unidirectional multiplexer
C Unidirectional demultiplexer
E Bidirectional λx Tx/ λz Rx
G Bidirectional λz Tx/ λx Rx
J 45 dB isolation, pass 1310
K 45 dB isolation, pass 1550
L (Dual only) unidirectional multiplexer, unidirectional multiplexer
M (Dual only) bidirectional λx Tx/ λz Rx, bidirectional λz Tx/ λx Rx
Environmental Specifications

Environmental Space  Indoor

Packaging and Weights

Packaging quantity  1