# AMC 4 Port Gigabit Ethernet via SFP

# AMC235

vadatech
THE POWER OF VISION

## KEY FEATURES

- AMC.1
- Single-width, mid-height (option full-height)
- 4 Gigabit Ethernet ports via SFP
- PCIe Gen2 x4 lanes to Ports 4-7
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
  - Linux
  - Windows
  - Solaris
  - VxWorks

The AMC235 is a 4 port Gigabit Ethernet (GbE) AdvancedMC™ (AMC) module. VadaTech offers this product in a single-width, mid-height (option for full-height) form factor based on the AMC.1 specification.

This modules allows for mix of Fiber and/or copper transceiver.

The AMC235 is based on the latest Intel® Gigabit Ethernet controller (82580 chip).

VadaTech can modify this product to meet special customer requirements without NRE (minimum order placement is required).

AdvancedMC™

VadaTech Incorporated • 11540 South Eastern Avenue, Henderson, NV 89052 • Tel: (702) 896-3337 • Fax (702) 896-0332
Email: info@vadatech.com • www.vadatech.com

# AMC 4 Port Gigabit Ethernet via SFP

## SPECIFICATIONS

| | | |
|---|---|---|
| **Architecture** | | |
| **Physical** | **Dimensions** | Single-Width, Mid-Height (Full-Height option) |
| | | Width: 2.89 in. (73.5 mm) |
| | | Depth: 7.11 in. (180.6 mm) |
| **Type** | **AMC GbE** | 4 port Gigabit Ethernet |
| | | 10/100/1000 Mbps operation - Copper or Fiber (SX or LX) |
| | | IP, TCP, and UDP checksum offload capabilities, Stateless offloads (Header split, RSS) |
| | | UDP/TCP transmit segmentation Offload (TSO), SCTP receive and transmit checksum offload |
| **Standards** | | |
| **AMC** | **Type** | AMC.1 |
| **Module Management** | **IPMI** | IPMI Version 2.0 |
| **PCIe** | **Lanes** | Gen2 x4 |
| **Configuration** | | |
| **Power** | **AMC235** | 5W Max |
| **Environmental** | **Temperature** | Operating Temperature: 0° to 65° C (Air flow requirement is to be greater than 200 LFM) |
| | | Storage Temperature: -40° to +90° C |
| | **Vibration** | 1G, 5-500Hz each axis |
| | **Shock** | 30Gs each axis |
| | **Relative Humidity** | 5 to 95 percent, non-condensing |
| **Front Panel** | **Interface Connectors** | Quad SFP connector |
| | **LEDs** | IPMI Management Control |
| | | Activity and Link |
| | **Mechanical** | Hot Swap Ejector Handle |
| **Software Support** | **Operating Systems** | Linux, Windows, Solaris and VxWorks |
| **Other** | | |
| **MTBF** | MIL Handbook 217-F >TBD | |
| **Certifications** | Designed to meet FCC, CE and UL certifications where applicable | |
| **Standards** | VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards | |
| **Compliance** | RoHS and NEBS | |
| **Warranty** | Two (2) years | |
| **Trademarks and Logos** | The VadaTech logo is a registered trademark of VadaTech, Inc. Other registered trademarks are the property of their respective owners. AdvancedMC™ and the AdvancedTCA™ logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice. | |

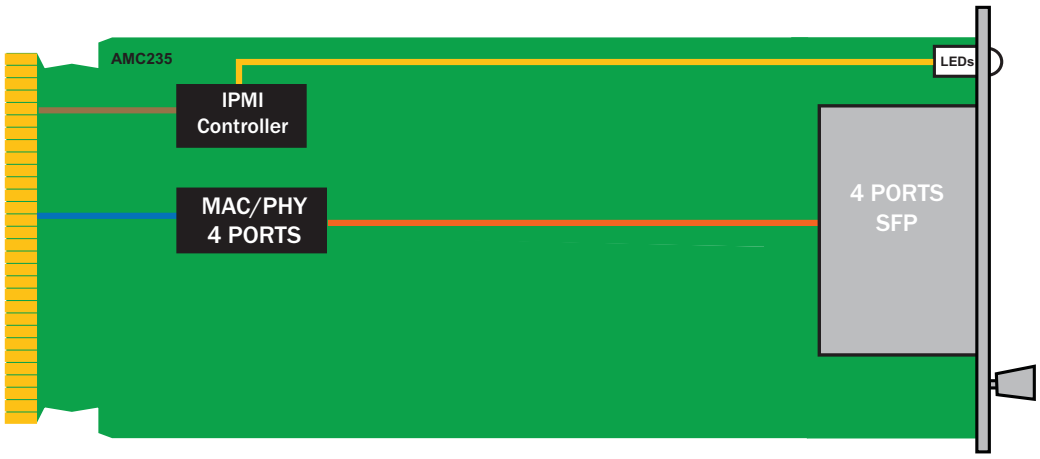


FIGURE 1. AMC235 Functional Block Diagram

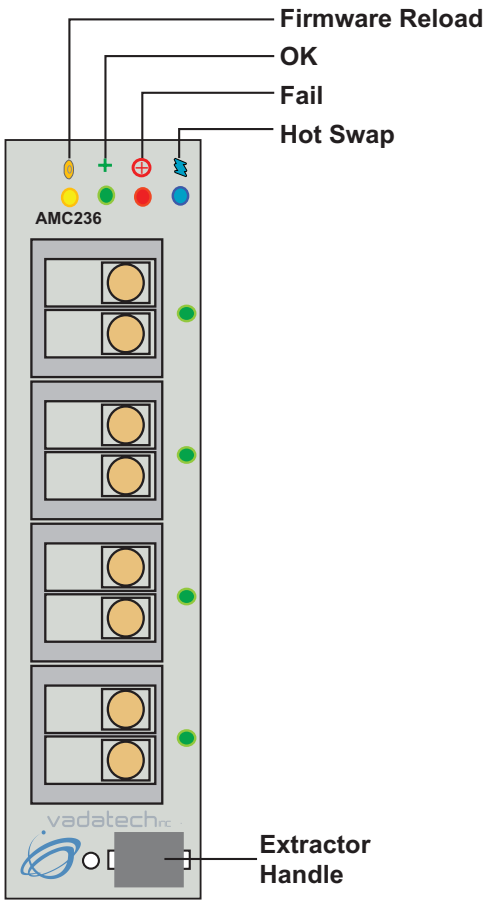


FIGURE 2. AMC235 Front Panel

## ORDERING OPTIONS

AMC235 - 00C - DEF- 00J

**C = Front Panel Height**

1 = Reserved
2 = Mid-Height
3 = Full-Height

**D = Number of Fiber SX Transceivers**

0 = None
X = Number of Transceivers

**E = Number of Fiber LX Transceivers**

0 = None
X = Number of Transceivers

**F = Number of Copper Transceivers**

0 = None
X = Number of Transceivers

**J = Conformal Coating**

0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

Document No. 4FM430-05 REV. OI Date:. August 2010 Pass 2

vadatech inc
THE POWER OF VISION