

AMC237 – Four Port Gigabit Ethernet AMC

Four Port GbE



KEY FEATURES

- AMC.1 compliant
- Single-module, half-size (option for mid-size and full-size)
- 4 Gigabit Ethernet ports via RJ-45
- PCIe Gen2 x4 lanes to Ports 4-7 (option via dip-switch for Ports 8-11)
- IPMI 2.0 compliant
- RoHS compliant

Benefits of Choosing VadaTech

- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full ecosystem of front and rear boards, enclosures, specialty modules, and test/dev products from one source
- AS9100 and ISO9001 certified company

The AMC237 is a 4 port Gigabit Ethernet (GbE) AdvancedMC™ (AMC) module. VadaTech offers this product in a single module, half-size (option for mid-size and full-size) form factor based on the AMC.1 specification.

The AMC237 is based on the latest Intel® Gigabit Ethernet controller (82580 chip).

AMC237 – Four Port Gigabit Ethernet AMC

BLOCK DIAGRAM

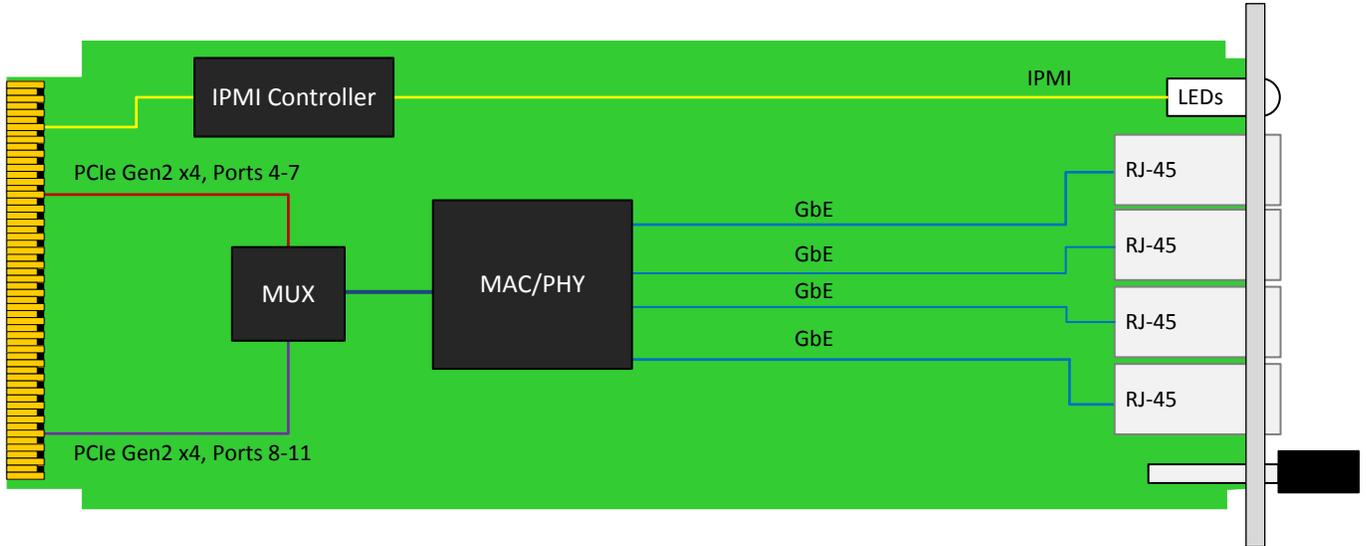


Figure 1: Block Diagram

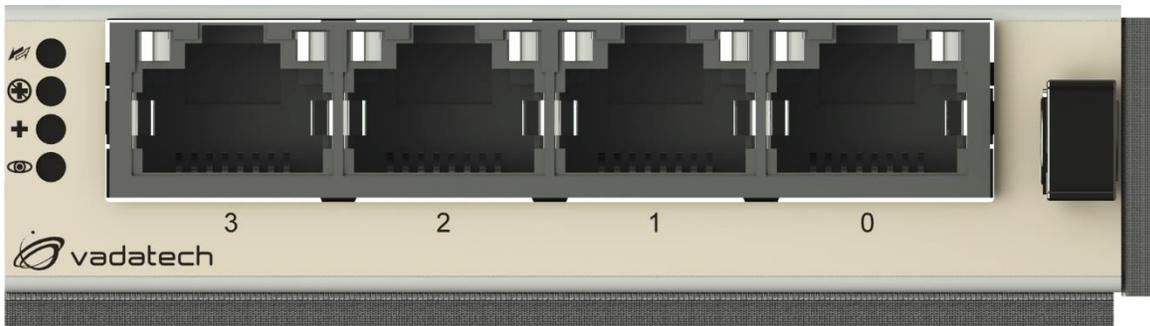


Figure 2: Front Panel

SPECIFICATIONS

| Architecture | | |
|-------------------|---|--|
| Physical | Dimensions | Single module, mid-size (full-size options available) |
| | | Width: 2.89" (73.5 mm) |
| | | Depth: 7.11" (180.6 mm) |
| Type | AMC GbE | Four port GbE, 10/100/1000 Mbps operation - Copper |
| | | 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.0 and AMC.1 |
| Module Management | IPMI | IPMI Version 2.0 |
| Configuration | | |
| PCIe | Lanes | Gen2 x4 |
| Power | AMC237 | 5 W (max) |
| Environmental | Temperature | Operating temperature: -5° to 55° C (air flow requirement of >200 LFM, industrial versions also available (See environmental spec sheet)) |
| | | Storage temperature: -40° to +85° C |
| | Vibration | Operating 9.8 m/s ² (1G), 5 to 500 Hz |
| | Shock | 30Gs on each axis |
| | Relative Humidity | 5 to 95 percent, non-condensing |
| Front Panel | LEDs | IPMI management control |
| | | Activity and Link |
| | Interface Connectors | Quad RJ-45 connectors |
| | Mechanical | Hot swap ejector handle |
| Software Support | Operating System | Linux, Windows, Solaris and VxWorks |
| Other | | |
| MTBF | MIL Handbook 217-F@TBD Hrs | |
| Certifications | Designed to meet FCC, CE and UL certifications where applicable | |
| Compliance | PICMG 3.0 Rev 3.0, RoHS 2 and NEBS Level 3. | |
| Standards | VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards | |
| Warranty | Two (2) years | |

AMC237 – Four Port Gigabit Ethernet AMC

ORDERING OPTIONS

AMC237 – 00C – 000 – 0HJ

C = Front Panel Size

- 1 = Half-size
- 2 = Mid-size
- 3 = Full-size

H = Operating Temperature

- 0 = Commercial (-5° to +55° C)
- 1 = Industrial (-20° to +70° C)
- 2 = Military (-40° to +80° C)*

J = Conformal Coating

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

*Edge of module for conduction-cooled boards

RELATED PRODUCTS



VT841 1U
Chassis Platform



UTC004 Gen 3
MCH



UTC020 1000W
Power Module

CONTACT US

VadaTech Corporate Office

198 N. Gibson Rd.
Henderson, NV 89014
Email: info@vadatech.com
Telephone: +1 702 896-3337
Fax: +1 702 896-0332

Asia Pacific Sales Office

7 Floor, No. 2, Wenhua Street, Neihu District,
Taipei 114, Taiwan
Email: info@vadatech.com
Telephone: +886-2-2627-7655
Fax: +886-2-2627-7792

VadaTech European Sales Office

VadaTech House, Bulls Copse Road,
Southampton, SO40 9LR
Email: info@vadatech.com
Telephone: +44 2380 016403