vadatech INC
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## KEY FEATURES

- AMC.1 and/or AMC.2
- Single-width, half-height (mid-height and full-height options available)
- Four Gigabit Ethernet ports
- PCIe x4 lanes
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
  — Linux
  — Windows
  — Solaris
  — VxWorks

The AMC206 is a four port Gigabit Ethernet (GbE) AdvancedMC™ (AMC) module. VadaTech offers this product in a single-width, half-height form factor based on the AMC.1 specification (option for mid-height and full-height design, see ordering options). The module has an option to have all four ports routed to the Front RJ-45 jacks or to have two of the ports routed to the back based on the AMC.2 specification.

The AMC206 is based on the latest Intel® Gigabit Ethernet controller (82575 chip).

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

AdvancedMC™

## SPECIFICATIONS

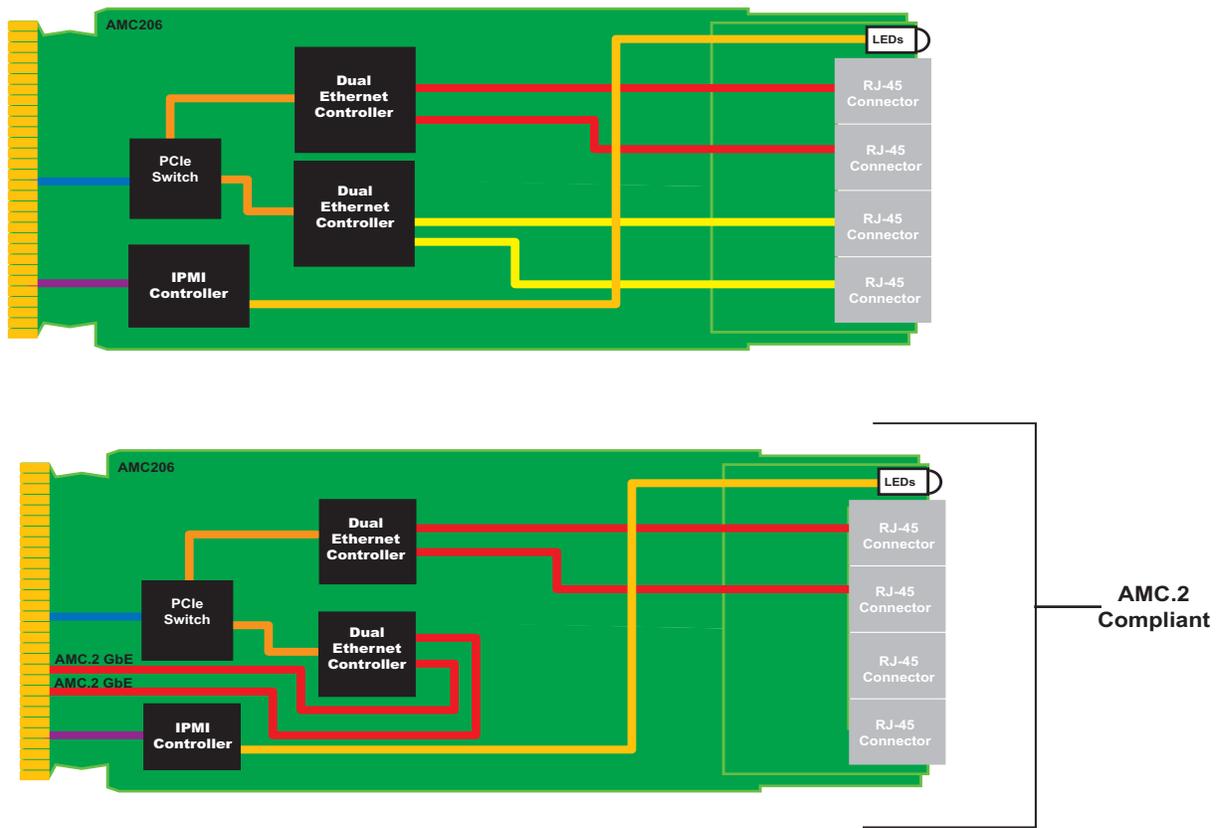| Architecture | | |
|---|---|---|
| **Physical** | **Dimensions** | Single-Width, Half-Height (with Mid or Full-Height options) |
| | | Width: 2.89 in. (73.5 mm) |
| | | Depth: 7.11 in. (180.6 mm) |
| **Type** | **AMC GbE** | Four port Gigabit Ethernet |
| | | 10/100/1000 Mbps operation - Copper |
| | | 1000 Mbps operation - to the AMC.2 backplane |
| | | IP, TCP, and UDP checksum offloading capabilities |
| **Standards** | | |
| **AMC** | **Type** | AMC.1 and/or AMC.2 |
| **Module Management** | **IPMI** | IPMI Version 2.0 |
| **PCIe** | **Lanes** | x4 |
| **Configuration** | | |
| **Power** | **AMC206** | 8W |
| **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** | Four copper RJ-45 connectors |
| | **LEDs** | IPMI Management Control |
| | | Activity and Link |
| | **Mechanical** | Hot Swap Ejector Handle |
| **Software Support** | **Operating Systems** | Linux, Windows, Solaris and VxWorks |
| **Other** | | |
| **MTBF** | MIL Spec 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. | |

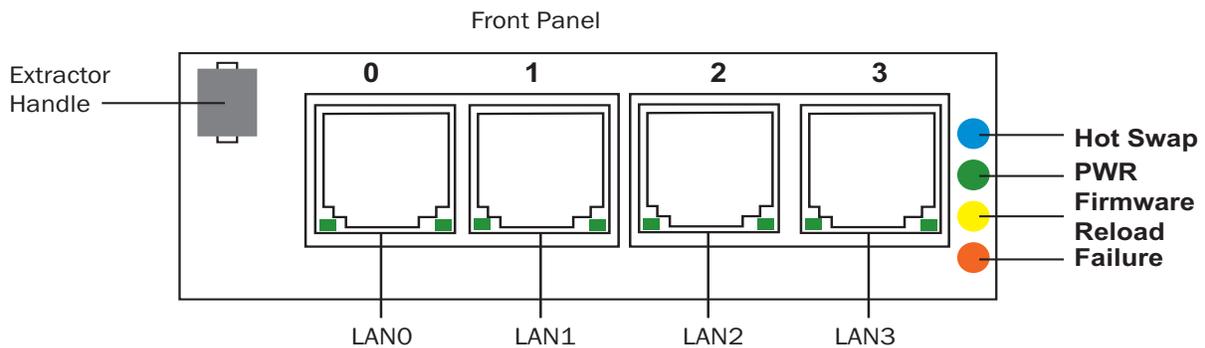**FIGURE 1.** AMC206 Functional Block Diagram



**FIGURE 2.** AMC206 Front Panel

## ORDERING OPTIONS

### AMC206 - A0C - 000 - 00J

**A = Interface**

    1 = AMC.1 (four ports to the front)
    2 = AMC.1 and AMC.2 (two ports to the
        front and two ports to the rear)

**C = Front Panel Height**

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

**J = Conformal Coating**

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

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