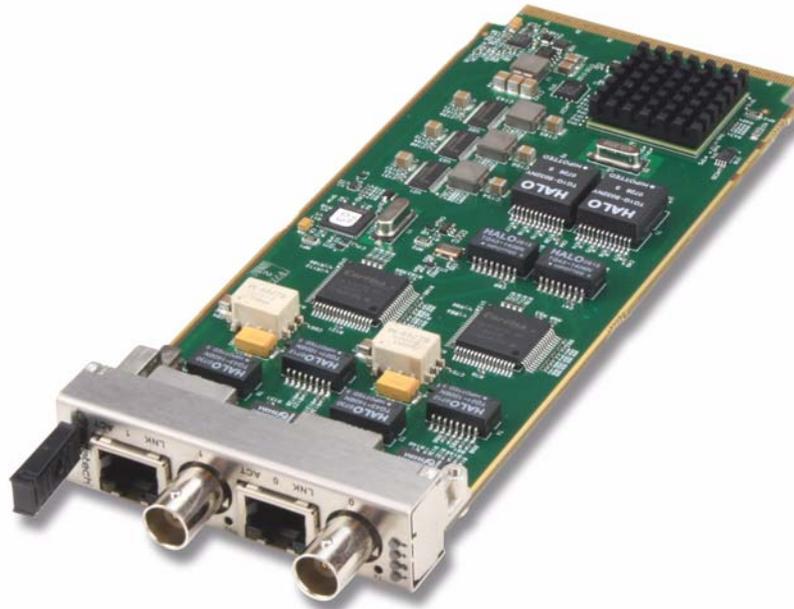**vadatech**nc

™ THE POWER OF VISION

KEY FEATURES

- AMC.1
- Single-width, Mid-height (Full-height option available)
- Dual 10-Base2 Ethernet ports
- Dual 10-BaseT Ethernet ports as media converter
- PCIe x4 lanes
- IPMI 2.0 compliant
- RoHS compliant
- OS support for:
  — Linux
  — Windows
  — Solaris
  — VxWorks

The AMC207 is a dual-port 10-Base2 (with two additional 10-BaseT ports as media converter) AdvancedMC™ (AMC) module. VadaTech offers this product in a single-width, mid-height form factor based on the AMC.1 specification (option for full-height design, see ordering options).

The 10-Base2 50 Ohm termination is set by a jumper on the board.

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

*Advanced**MC*™

SPECIFICATIONS

Architecture		
Physical	**Dimensions**	Single-Width, Mid-Height (with Full-Height option)
		Width: 2.89 in. (73.5 mm)
		Depth: 7.11 in. (180.6 mm)
Type	**AMC Ethernet**	Dual port 10-Base2 Ethernet with two 10-BaseT ports as media converter
		10-Base2 and 10-BaseT
		IP, TCP, and UDP checksum offloading capabilities
Standards		
AMC	**Type**	AMC.1
Module Management	**IPMI**	IPMI Version 2.0
PCIe	**Lanes**	x4
Configuration		
Power	**AMC207**	4W
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**	Two BNC and two RJ-45
	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[TM] and the AdvancedTCA[TM] logo are trademarks of the PCI Industrial Computers Manufacturers Group. All rights reserved. Specification subject to change without notice.

AMC207

LEDs

BNC Connector

RJ-45 Connector

BNC Connector

RJ-45 Connector

Dual Ethernet Controller

Transceiver and Media converter

Transceiver and Media converter

IPMI Controller
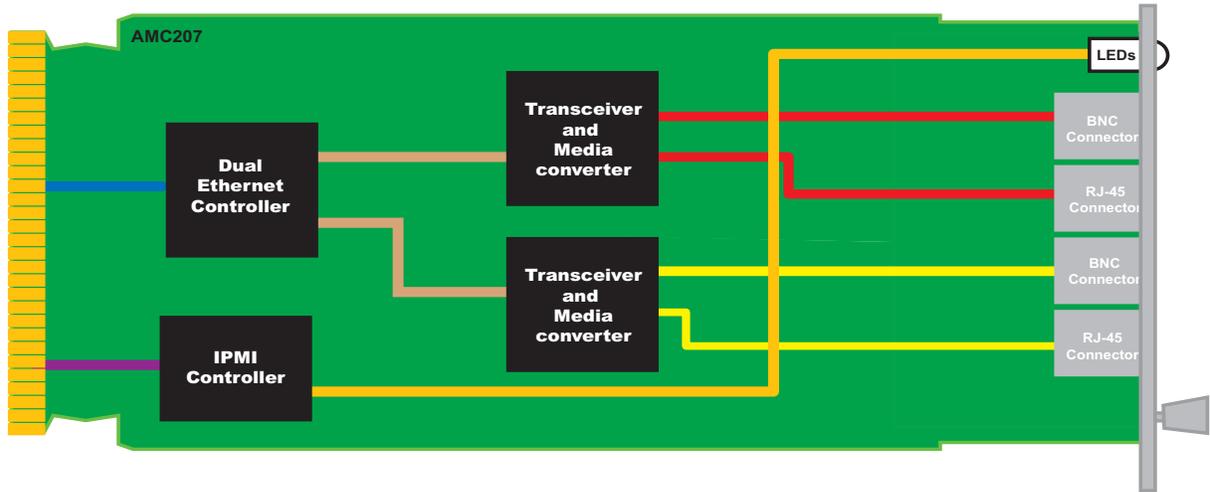
FIGURE 1. AMC207 Functional Block Diagram

Front Panel

Extractor Handle

Firmware Reload

Healthy

PWR Failure

Hot Swap
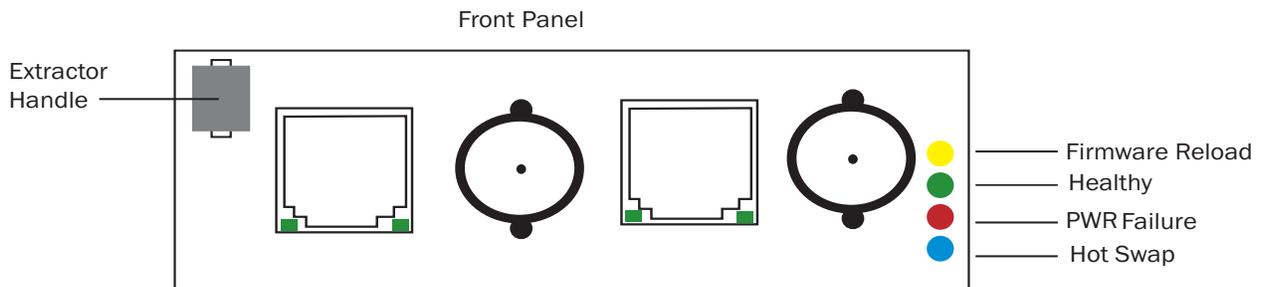
FIGURE 2. AMC207 Front Panel

ORDERING OPTIONS

AMC207 - 00C - 000 - 00J

C = Front Panel Height

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

J = Conformal Coating

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