



# V Rose Microsystems, Inc.

[www.vrosemicrosystems.com](http://www.vrosemicrosystems.com)

**VRM-PCI101**

## Product Data Sheet

### Overview:

The **VRM-PCI101** allows testing of AMC.1, AMC.2 and AMC.3 modules in a PC environment during development and manufacturing; reducing the costs associated with maintaining different platforms.

The PCI101 is a PCIe edge style carrier with x4 lanes. The AMC.1 module connects directly to the host PC PCIe bus. The AMC.2 module GbE ports are routed to RJ-45s. The AMC.3 differential pairs are routed to two SATA connectors. The PCI101 is available with a socket for an optional VT001 IPMI controller which can test the AMC IPMI management functionality. The Dual I2C bus connectors allow connecting any I2C bus to any other I2C bus as well as being able to debug and monitor the I2C bus traffic.

Provides two current sense resistors to measure the payload power as well as the management power of the AMC.

The PCI101 can be powered on the bench without the host PC.

**V Rose** can modify this product to meet special customer requirements without NRE.



### Features:

- Supports one AMC.1, AMC.2 or AMC.3
- PCIe x4 lanes
- Optional VT001 IPMI Management Controller
- AMC.2 GbE to RJ-45
- AMC.3 to SATA headers
- IPMI 2.0 compliant
- Connectors to access the I2C bus
- Can run standalone without the host PC
- RoHS compliant

### Specifications:

Physical Dimensions: Full size PCIe bus format, Width: 8.865 inches (255 mm), Depth: 9.5 inches (241mm)

Standards: AMC.1, AMC.2, AMD.3, PCI Lanes x 4

Temperature: Operating Temperature: 0C to 65C, Storage Temperature: -40C to +90C

Relative Humidity: 5 to 95 percent, non-condensing

Interface Connectors: AMC.1 TO PCIe edge, AMC.2 To RJ-45 (through transceiver), AMC.3 (to Sata connectors) IPMI Controller (VT001)

MTBF: MIL Spec 217-F > 205,000 HRS (without Fan)

Certifications: Designed to meet FCC< CE, and UL certifications where applicable

Standards: certified to both the ISO9001:2000 and AS9100B: 2004 standards

Compliance: RoHS

Warranty: Two (2) Years

### Ordering:

**VRM-PCI101:** PCIe Carrier for AMC Modules