



KEY FEATURES

- 2.5 inch SAS drive
- AMC.3 compliance
- Single-width, mid-height (full-height option available)
- Heat plate on drive electronics w/ thermal pad optimizes heat removal
- Disk RPM @ 10,025RPM
- IPMI 2.0 compliant
- RoHS compliant

The AMC605 is a 2.5" SAS hard disk drive in a single-width, mid-height AdvancedMC™ (AMC) form factor based on the AMC.3 specification. With a storage capacity of 300GB and data transfer rates of 3Gbps the AMC605 is the ideal AdvancedMC™ storage module.

The AMC605 has a unique mechanical design to position the drive electronics in contact with a thermal pad to ensure optimal heat dissipation through the heat plate. Furthermore, the PCB is completely cut-away under the disk to allow airflow over the top of the drive.

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

AdvancedMC™

AMC 2.5" SAS Drive Module

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) |
| Product Type | AMC Storage | 2.5" SAS Drive |
| | | Optional Solid State Disk Drive (Contact Sales for capacity and availability) |
| | | 10,025 RPM, < 4.5 ms average seek time |
| | | Up to 146 Gbyte hard drive capacity |
| | | 3Gbps transfer rate |
| Standards | | |
| AMC | Type | AMC.3 |
| Module Management | IPMI | IPMI Version 2.0 |
| Configuration | | |
| Power | AMC605 | 5W idle |
| Environmental | Temperature | Operating Temperature: 5° to 60° C (Air flow requirement is to be greater than 200 LFM) |
| | | Storage Temperature: -40° to +70° C with the Disk |
| | Vibration | Operating 0.6mm (5 to 20Hz) / 1.0 G (20 to 300 Hz) |
| | Shock | Operating 100 G max. (1ms) |
| | Relative Humidity | 5 to 95 percent, non-condensing |
| Front Panel | LEDs | IPMI Management Control |
| | | Activity |
| | Mechanical | Hot Swap Ejector Handle |
| Software Support | Operating Systems | Linux, Windows, Solaris and VxWorks |
| Other | | |
| MTBF | 1,400,000 POH | |
| 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. | |

AMC 2.5" SAS Drive Module

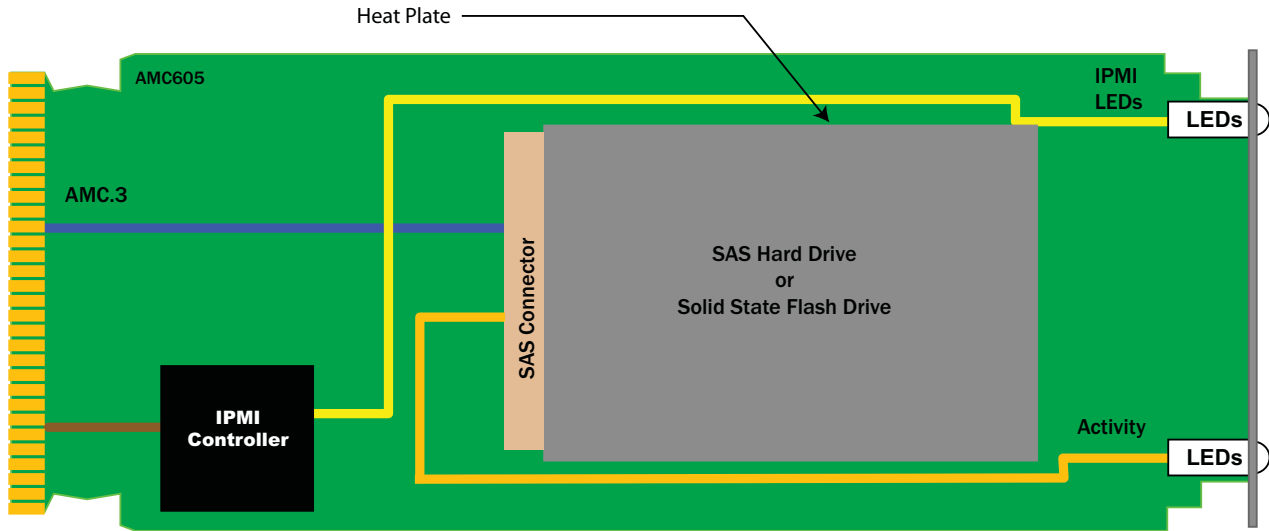


FIGURE 1. AMC605 Functional Block Diagram

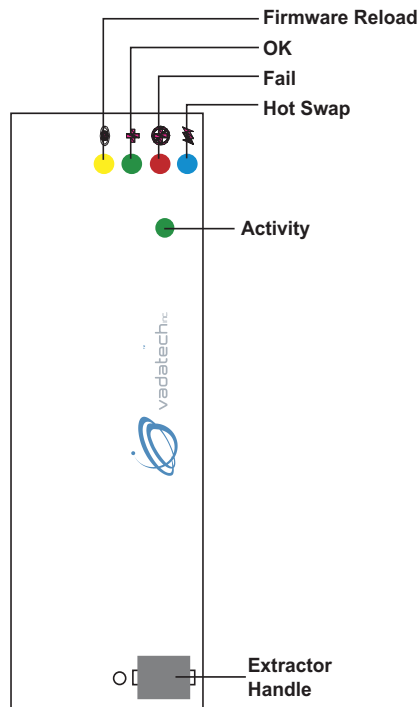


FIGURE 2. AMC605 Front Panel

ORDERING OPTIONS

AMC605 - AOC - D00 - 00J

A = SAS Drive Capacity

- 0 = None
- 1 = None
- 2 = None
- 3 = Reserved
- 4 = 300 GB
- 5 = 600 GB
- 6 = Reserved
- 7 = 2.5" Solid State Drive (SSD)
(Contact sales for availability)

C = Front Panel Height

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

D = Temp

- 1 = Extended
Temperature Range*
(-20° C to +80° C)
- 2 = Standard
Temperature Range
(0° C to +60° C)

J = Conformal Coating

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

*Available for the SSD option only

