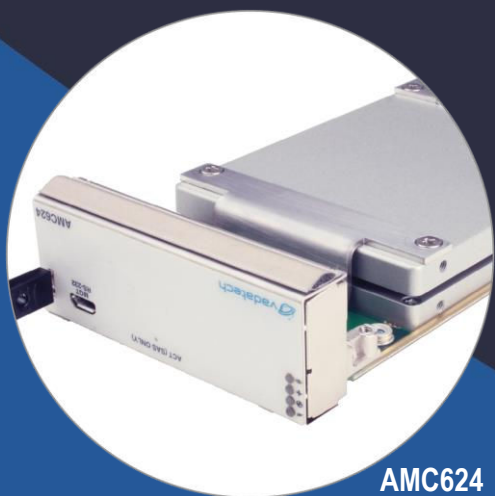


AMC624

2.5" Dual/Single SATA III Drive,
6 Gbps



AMC624

Key Features

- 2.5" SATA III 6.0 Gbps drive
(can support legacy 1.5 and 3 Gbps)
- Single module, mid-size for single disk or full-size for dual disk
- AMC.3 compliant
- Option for Solid State Drive or Rotary Disk

Benefits

- 6 Gbps SATA drive provides twice the front-end transfer rate as previous VadaTech modules
- Design utilizes proven VadaTech subcomponents and engineering techniques
- Electrical, mechanical, software, and system-level expertise in house
- Full system supply from industry leader
- AS9100 and ISO9001 certified company

AdvancedMC™



vadatech
THE POWER OF VISION



AMC624

The AMC624 is designed specifically for dual or single 2.5" SATA III hard disk drive that allows speeds of 6 Gbps based on the latest specification. The single module, mid-size AdvancedMC™ (AMC) form factor is based on the AMC.3 specification.

The Unit is an ideal AdvancedMC™ storage module for high speed requirements at a lower cost. The single disk option supports a mid-size front panel and can route to Port 2 or Port 3. Standard 8 HP front panel size is also available.



Figure 1: AMC624

Block Diagram

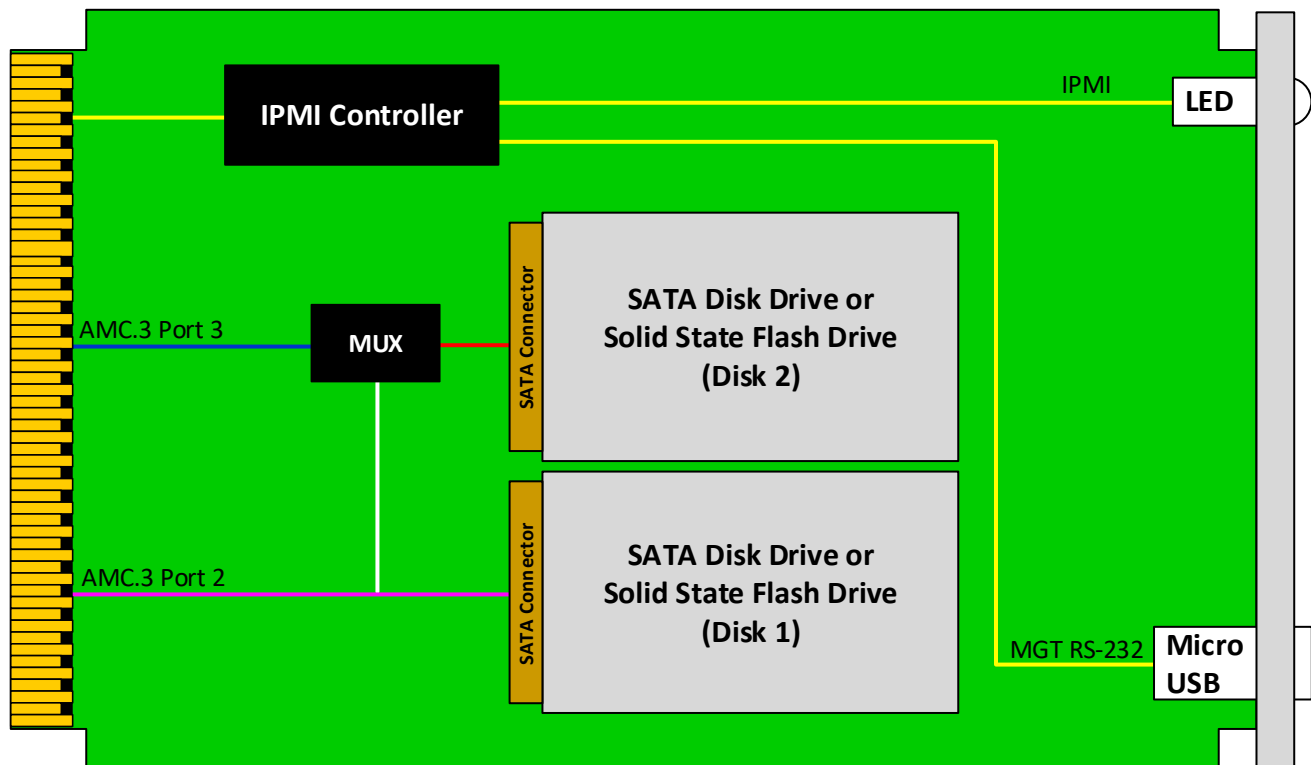


Figure 2: AMC624 Functional Block Diagram

Front Panel



Figure 3: AMC624 Front Panel (Mid-size)

Specifications

| Architecture | | |
|-------------------|---|---|
| Physical | Dimensions | Single module, mid-size (full-size optional) |
| | | Width: 2.89" (73.5 mm) |
| | | Depth: 7.11" (180.6 mm) |
| Type | AMC Storage | 2.5" Serial ATA III Drive |
| | | Solid State Drive and Rotary Disk option |
| | | SATA III transfer rate of 6 Gbps |
| Standards | | |
| AMC | Type | AMC.3 |
| Module Management | IPMI | IPMI v2.0 |
| Configuration | | |
| Power | AMC624 | ~1W without the drive |
| Environmental | Temperature | See Ordering Options and Environmental Spec Sheet |
| | | Storage Temperature: -40° to +70°C |
| | Vibration | SSD/Rotary disk dependent |
| | Shock | SSD/Rotary disk dependent |
| | Relative Humidity | 5 to 95% non-condensing |
| Front Panel | Interface Connectors | Micro USB for IPMI management control (RS-232) |
| | LEDs | IPMI management control |
| | Mechanical | Hot swap ejector handle |
| Other | | |
| MTBF | MIL Hand book 217-F@ TBD hrs | |
| Certifications | Designed to meet FCC, CE and UL certifications, where applicable | |
| Standards | VadaTech is certified to both the ISO9001:2000 and AS9100B:2004 standards | |
| Warranty | Two (2) years, see VadaTech Terms and Conditions | |

INTEGRATION SERVICES AND APPLICATION-READY PLATFORMS

VadaTech has a full ecosystem of OpenVPX, ATCA and MTCA products including chassis platforms, shelf managers, AMC modules, Switch and Payload Boards, Rear Transition Modules (RTMs), Power Modules, and more. The company also offers integration services as well as pre-configured Application-Ready Platforms. Please contact VadaTech Sales for more information.

Ordering Options

AMC624 – ABC-D00-0HJ

| A = SATA Drive Capacity Disk 1 | D = Port 3 Routing | |
|--|--|---|
| 0 = No Disk 1 = 1 TB 2 = 2 TB 3 = Reserved 4 = Reserved 5 = Solid State Drive (SSD) and other sizes | 0 = Port 3 routed to the second disk 1 = Port 3 routes to the first disk (Disk two is not installed and panel can stay as mid-size) | |
| B = SATA Drive Capacity Disk 2 | | H = Temperature Range** |
| 0 = No Disk 1 = 1 TB 2 = 2 TB 3 = Reserved 4 = Reserved 5 = Solid State Drive (SSD) and other sizes | | 0 = Commercial (-5 to +55°C) 1 = Industrial (-20 to +70°C) 2 = Extended (-40 to +85°C)*** |
| C = Front Panel | | J = Conformal Coating |
| 1 = Compact* 2 = Mid-size 3 = Full-size* 4 = Extended (8 HP) | | 0 = No coating 1 = Humiseal 1A33 Polyurethane 2 = Humiseal 1B31 Acrylic |

Notes: *Dual disk must take the Full-size panel. Compact requires SSD as option A.

**SSD option is required for Industrial or Extended grade

***Conduction cooled; temperature is at edge of module. Consult factory for availability.

Related Products

UTC002



- 400 MHz CPU with 64 MB DDR for MCMC and Shelf Manager
- Layer 2 managed GbE to each AMC (optional)
- Non-blocking PCIe Gen 3 (x4), to each slot with option for SRIO or 10GbE (Layer 2 managed)

UTC020



- Single module, full-size per AMC.0
- Dual -36V DC to -75V DC input, 936W (available in 468W)
- Hot swappable with support for power module redundancy

VT866



- MTCA System Platform 19" x 5U x 17"
- Full redundancy with dual MicroTCA Carrier Hub (MCH), dual Cooling Units and quad Power Modules
- Up to 12 AMCs in single width/full-size

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