

TAMC200 AMC Carrier for 3 IndustryPacks®

Application Information

The TAMC200 is a standard double Mid-Size/Full-Size AMC.1 (PCI-Express) compliant carrier for up to three single-size or one double-size and one single-size IndustryPack (IP) modules used to build modular, flexible and cost effective I/O solutions for all kinds of applications like process control, medical systems, telecommunication and traffic control. Three VHD68 SCSI-V (VHDCI/Champ) type connectors provide access to all IP I/O lines.

The TAMC200 is a versatile solution to upgrade well known legacy I/O solutions to a high performance form factor.

All IP interrupt request lines are mapped to PCIe INTA, alternatively Message Signaled Interrupts (MSI) can be used. For fast interrupt source detection the TAMC200 provides a special IP interrupt status register.



The IP power lines are fuse protected by self healing fuses and RF filtered. The operating temperature range is -40°C to +85°C.

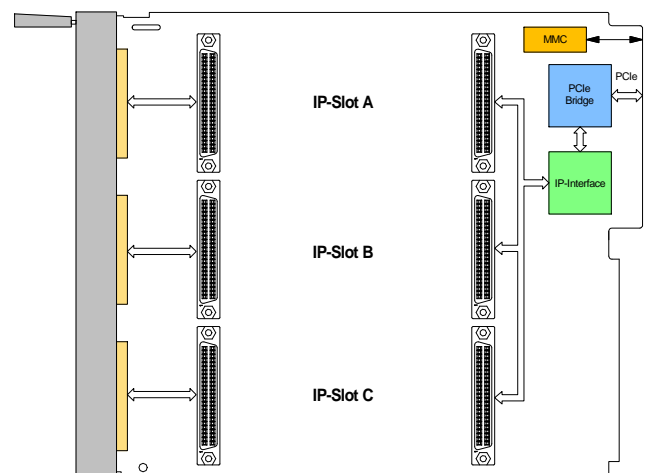
According to AMC.0, the TAMC200 provides an IPMI compliant Module Management Controller (MMC) with temperature monitoring and hot-swap support.

The TAMC200 is available as mid-size module or as full-size module. Please note that the mid-size module has restrictions to its usage because of a component height violation. It is within the responsibility of the user to carefully check if the mid-size module with its component height violation can be used in his system. Otherwise damage of the TAMC200 or its slot to be used in may occur! For more information see the user manual TAMC200-DOC.

For First-Time-Buyers the engineering documentation TAMC200-ED is recommended. The engineering documentation includes TAMC200-DOC, schematics and data sheets of TAMC200.

Technical Information

- Form Factor: PCIMG AMC.1 Module
 - Board size: 180.6mm x 146.5mm
 - Double Mid-Size or Full-Size front panel
- Fabric Interface:
 - PCIe single lane (x1) on AMC Port 4 (AMC.1 Type 1 compliant)
- IPMI V1.5 Support
- Front Panel LEDs:
 - Blue Hot-Swap LED
 - Red Fail LED (LED1)
 - Green IP Power Good / Activity LED (LED 2)
- ANSI/VITA 4-1995 compliant interface to three IndustryPack modules
 - 3 IndustryPack slots: three single-size IPs or one single-size and one double-size IP
 - 8/32 MHz interface, no DMA
 - 8 Mbytes memory space per IP Slot
 - Routing of all IP interrupts to PCIe INTA/MSI, local interrupt status register
 - I/O access: VHD68 SCSI-V (VHDCI/Champ) type connector per IP
- Self Healing fuses and RF-filtering on all IP power lines
- Operating temperature: -40°C to +85°C
- MTBF (MIL-HDBK217F/FN2 G_B 20°C): 250.000 h



Order Information

RoHS Compliant

- TAMC200-10R** AMC Carrier for 3 IndustryPack. Mid-size front panel *)
- TAMC200-11R** AMC Carrier for 3 IndustryPack. Full-size front panel

None RoHS Compliant

- TAMC200-10 None RoHS compliant version of TAMC200-10R *)
- TAMC200-11 None RoHS compliant version of TAMC200-11R

*) Please note that the mid-size module has restrictions to its usage because of a component height violation. It is within the responsibility of the user to carefully check if the mid-size module with its component height violation can be used in his system. Otherwise damage of the TAMC200 or its slot to be used in may occur! For more information see the user manual TAMC200-DOC

Documentation

- TAMC200-DOC** User Manual
- TAMC200-ED** Engineering documentation (TAMC200-DOC, Schematics, Assembly Drawing, Data Sheets)

Software

- CARRIER-SW-25** Integrity Software Support
- CARRIER-SW-42** VxWorks Software Support (Legacy and VxBus-enabled Software Support)
- CARRIER-SW-65** Windows XP/XPE/2000 Software Support
- CARRIER-SW-72** LynxOS Software Support
- CARRIER-SW-82** LiNux Software Support
- CARRIER-SW-95** QNX 6 Software Support

For other operating systems please contact TEWS.

Related Products

- TA307** Cable Kit for Modules with VHD68 connector