

new product for 09 !

AdvancedMC[®]



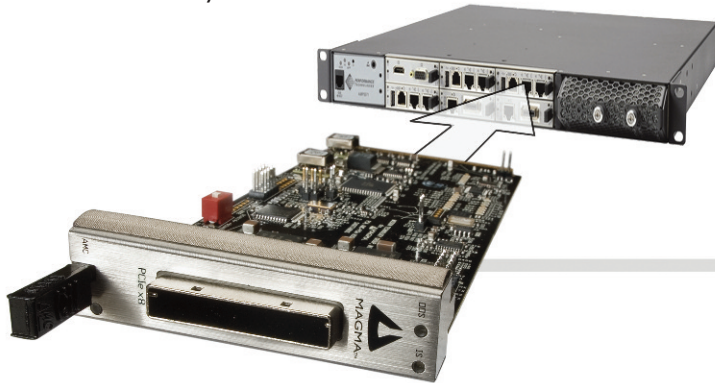
AMC Adapter

AMCx8



Magma's new AMC Adapter changes the Telecommunication Ecosystem

Magma's AMC Adapter allows telecommunication solution providers to extend the MicroTCA's traditional role as COTS chassis for AMC modules to now include legacy hardware built around PCI and PCI Express bus architectures. This approach to ATCA systems solution utilizing Expansion chassis to implement I/O sub-systems is first of its kind in the industry.



Benefits

- Broad range of MicroTCA Expansion Chassis for the PCI Express and PCI-X I/O fabric
- Allows customers to augment their I/O functional needs as well as add compute engines with COTS cards
- Chassis come with Hot Swap capabilities and optional redundant power supplies with space and power for internal hard drives

Features













- Mid-size
- Supports x1, x4 and x8 PCI Express Lanes
- Supports Link negotiation
- Complies with AMC Base Specification PICMG[®] AMC.0 R2.0
- Cable lengths supported are 3 and 7 meters
- Link Clock direction configurable

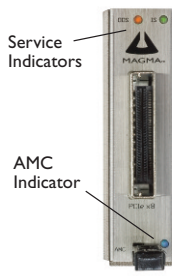
A Universal Approach for Maximum Flexibility

Telecommunication equipment vendors are rapidly transitioning to offering PCI Express technology as the fabric on carrier backplanes. This interconnect technology is becoming ubiquitous resulting in increasingly cheaper and higher performing solutions with it. Magma's AMC Adapter is the ultimate enabler for integrating I/O sub-systems comprising COTS hardware built around PCI and PCI Express technologies to ATCA equipment.

The AdvancedMC in the ATCA Blade space

The AMC Adapter can be configured to allow for communications between two or more MicroTCA chassis using PCI Express as the communication technology. This mode of communication supports data rates of up to 2GigaBytes/sec in transmit and receive direction simultaneously. This method is used to transform the MTCA to I/O sub-systems for ATCA Blade servers.

		EB7-x8 4U Chassis 8 x I6PCI Express Connectors x8 Slot Speeds Hot Pluggable Slots 4GBytes/sec full duplex with AMC 500W Power Supply
		EB7 4U Chassis 7 x I6PCI Express Connectors x4 Slot Speeds Hot Pluggable Slots 2GBytes/sec full duplex with AMC 500W Power Supply
		EB4 2U Chassis 4 x I6PCI Express Connectors x4 Slot Speeds Hot Pluggable Slots 2GBytes/sec full duplex with AMC 500W Power Supply
		EB2 1U Chassis 2 x I6PCI Express Connectors x8 Slot Speeds Hot Pluggable Slots 4GBytes/sec full duplex with AMC 350W Power Supply
		EB4-1U 1U Chassis 4 x I6PCI Express Connectors x8 Slot Speeds Hot Pluggable Slots 4GBytes/sec full duplex with AMC 300W Power Supply Hot swappable Redundant Power Supply SNMP Agent
		PE6R4-I 4U Chassis 6 PCI-X Slots (66MHz) 2GBytes/sec full duplex with AMC 500W Power Supply Optional Drive Cage




Service Indicators

AMC Indicator

Front panel LEDs conform to AMC R2.0 spec.

The green "In-Service" (IS) LED lights when the card is in service and the "Out-of-Service" (OOS) LED is normally off and turns red when out of service. The blue AMC LED displays an on, off or blinking state according to the behavior defined in AMC R2.0.

DIP switch on the card enables or disables "expansion mode". In the disabled position, the card is in Host Mode, where AMC is the Root Complex Processor (RCP) going to Magma expansion chassis.





Magma

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