

# Embedded Communications Computing, Motorola, Inc. Freescale Third-Party Vendor

Through its Embedded Communications Computing business, Motorola enables original equipment manufacturers to develop better products faster and more cost-effectively.

Motorola is the leading provider of communications servers, application-ready platforms, blades, modules and enabling software based on open standards such as AdvancedTCA® (ATCA), AdvancedMC™, MicroTCA™ (AMC), CompactPCI, VMEbus and SA Forum. Our corresponding portfolio of solution services allows you to focus on the things that keep you ahead of the competition.

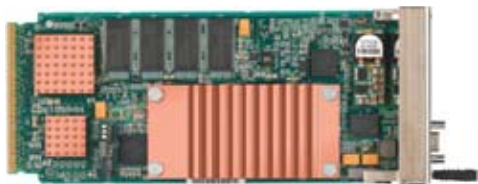
Manufacturers of equipment for telecommunications, defense, aerospace, medical and industrial automation markets use Motorola's products to enable a more agile business model, make system design and deployment faster and more cost-effective—while increasing flexibility and protecting their technology investment.



For more than 20 years, Motorola has driven open standards and pioneered technologies based on them. The company continues to support its customers over the long term by simplifying their ability to take advantage of advances in technology.

## Motorola, Inc. AdvancedTCA® and AdvancedMC™ products based on processors from Freescale Semiconductor

Motorola Product	Freescale Processor	Function	Application	Form Factor	PICMG Compliance	BSP/Driver
PrAMC-6201	MPC7448 host processor, built on Power Architecture™ technology, at up to 1.4 GHz	Processing blade	Media gateways, radio network controllers	AMC™ full size	AMC.1 AMC.2 AMC.3	Linux® OS: MontaVista CGL 4.0 Wind River GPP/LE, PNE/LE
ATCA-C110	MPC8548 PowerQUICC® III processor at 833 MHz	ATCA carrier	Ideal platform for an application-specific blade	ATCA®	PIGMG 3.0 PICMG 3.1 (1, 2, 3) AMC.1 AMC.2 AMC.3	Linux: MontaVista CGL 4.0 (optional)



### PrAMC-6201

#### Processing blade

- Freescale MPC7448 host processor, built on Power Architecture™ technology, running at up to 1.4 GHz
- Up to 2 GB with ECC support
- 16 MB of boot flash and 256 MB of user flash memory
- Support for MontaVista CGL 4.0 and Wind River PNE-LE 1.4 operating system
- AMC.1 PCI Express®: One 4 x PCI Express link routed to AMC fabric Ports 4-7
- AMC.2 Gigabit Ethernet: Two SerDes links on AMC fabric Ports 0 and 1
- AMC.3 SATA: Two SATA links on AMC fabric Ports 2 and 3



### ATCA-C110

#### ATCA carrier

- Freescale MPC8548 PowerQUICC® III communication processor, at 833 MHz, for powerful and flexible board control
- Modular design—four full height, single width AMC sites
- Enables scalable and distributed computing
- Mixed data plane and control application on the same blade
- On-board service processor
- Multiple software packages available including OS
- PICMG 3.0 Gigabit Ethernet base interface
- PICMG 3.1, Option 1, 2 and 3 fabric interface support
- AMC.0, AMC.1, AMC.2 and AMC.3 compliant

#### Learn More:

For more information about Freescale's ATCA/AMC reference designs and Freescale Alliance Partners for ATCA/AMC solutions, please visit [www.freescale.com/atca](http://www.freescale.com/atca).

For more information about Motorola Embedded Communications Computing and these ATCA/AMC solutions, go to [www.motorola.com/computing](http://www.motorola.com/computing).



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