Embedded Planet
Freescale Alliance Partner

Embedded Planet is a leading single-board computer and embedded systems solution provider. Our capabilities range from standard off-the-shelf single-board computer products and embedded operating systems to full custom design and intellectual property solutions. We reduce your project risk and cost by ensuring that all of your single-board computer and embedded systems components are integrated and working to their highest level.

Embedded Planet recognizes that one size does not fit all in the embedded systems world. As a result, we offer a range of single board computer form factors including: AdvancedMC™ (AMC) for use in AdvancedTCA® (ATCA) and MicroTCA™ systems, PrPMC cards for use in CompactPCI systems, PC-104, PCI-104 and Computer-on-Modules (COMs).

The process doesn't end with a choice of hardware platform. Software is often on the critical path in embedded systems development and our integrated hardware and software solutions can jumpstart your projects. Embedded Planet supports all of the major embedded operating systems allowing you to focus on your application.

Embedded Planet AdvancedTCA® and AdvancedMC™ products based on processors from Freescale Semiconductor

Embedded Product	Freescale Processor	Function	Application	Form Factor	PICMG Compliance	BSP/Drivers
EP8548A						
	MPC8548E PowerQUICC® III processor at up to 1.3 GHz	Control processor	Wireless base stations, media gateways, enterprise network access systems, test and measurement systems, server blades	AMC™ single width, full height	AMC.2 AMC.4	Linux® OS (Wind River VxWorks® and Green Hills INTEGRITY® available upon request)
EP8641A						
	MPC8641D dual core e600 processor, built on Power Architecture™ technology, with each core operating up to 1.5 GHz	Processing blade	Wireless base stations, media gateways, enterprise network access systems	AMC single width, full height	AMC.2 AMC.4	Linux OS (Wind River VxWorks and Green Hills INTEGRITY available upon request)
EP8360						
	MPC8360E PowerQUICC II Pro processor at up to 667 MHz	Network Interface Card (NIC)	Wireless base stations, Media gateways, enterprise network access systems	AMC single width, full height	AMC.0 AMC.2	Linux OS (Wind River VxWorks and Green Hills INTEGRITY available upon request)

EP8548A

Control processor

- Freescale MPC8548E PowerQUICC® III processor at up to 1.33 GHz

- Single SODIMM slot with DDR2 interface for high-bandwidth performance

- Dual Gigabit Ethernet (GbE) to the front panel and dual GbE to the AMC connector

- AMC Fabric Connectivity: 2 x GbE to AMC channels 0 and 1 (AMC.2 type E2) with options for Serial RapidIO® on channels 4–7, PCI Express® on channels 4–11, or a combination of PCI Express on channels 4–7 and Serial RapidIO on channels 8–11

- Software—U-boot bootloader and Linux® BSP, with Wind River VxWorks® and Green Hills INTEGRITY® BSPs available upon request

EP8641A

Processing blade

- Freescale MPC8641D dual-core processor, built on Power Architecture™ technology, at up to 1.5 GHz

- Up to 1 GB in two independent banks of DDR2

- Dual GbE to the front panel and dual GbE to the AMC connector on AMC channels 0 and 1 (AMC.2 type E2)

- AMC Fabric Connectivity: 2 x GbE to AMC channels 0 and 1 (AMC.2 type E2) with options for Serial RapidIO on channels 4–7, PCI Express on channels 4–11, or a combination of PCI Express on channels 4–7 and Serial RapidIO on channels 8–11

- Software—U-boot bootloader and Linux BSP, with Wind River VxWorks and Green Hills INTEGRITY BSPs available upon request

EP8360

Network Interface Card (NIC)

- Freescale MPC8360E PowerQUICC II Pro processor at up to 667 MHz

- 512 MB DDR2 RAM

- 128 MB flash memory

- 1 x 10/100/1000 Ethernet, front panel RJ-45

- 2 x 10/100/1000 Ethernet, AMC connector Port 0 and Port 1

- Optical—OC12 or 2 x OC3 transceiver ports, front panel SFP

- T1/E1—8 x T1/E1 transceiver ports, breakout connector

- Expansion QUICC Engine™ module expansion connector

- Serial ports—2-wire RS-232, front panel RJ-22

- Single width, full height form factor, AMC.0 and AMC.2 compliant

- Software—U-boot bootloader and Linux BSP, with Wind River VxWorks and Green Hills INTEGRITY BSPs available upon request

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**.

For more information about Embedded Planet and these ATCA/AMC solutions, go to **www.embeddedplanet.com**.