



**FOR IMMEDIATE RELEASE**

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**COREDGE NETWORKS INTRODUCES INDUSTRY'S FIRST FREESCALE  
COLD FIRE BASED ADVANCEDMC MODULE MANAGEMENT  
CONTROLLER REFERENCE DESIGN**

*Selected by Freescale for multiple AMC reference designs*

**Boston, MA June 17, 2008** – At the NXTComm show in Las Vegas, NV from June 17-19, 2007 (booth # SL5909I), CorEdge Networks will be demonstrating the industry's first Freescale ColdFire AdvancedMC (AMC) based Module Management Controller (MMC) reference design (CEN-MMC-F5212). This design has already been selected and implemented by Freescale for a number of Freescale's AMC reference designs for use in applications such as WiMAX base stations, IPTV and IP Video Conferencing.

The CEN-MMC-F5212 is a complete solution that includes a MMC hardware design reference schematic, bill of material and various firmware licensing options. Based on a Freescale ColdFire5212 32-bit microcontroller, the CEN-MMC-F5212 is a field-tested, fully compliant design ideal for MicroTCA/ATCA Carrier applications that require intelligently managed AMC. This cost effective and compact package supports the most challenging budget and space constrained AMC designs.

When the CEN-MMC-F5212 is developed using with the CorEdge Networks 1U PicoTCA platform (CEN-PICO-1US), AMC designers have an efficient, convenient and cost effective AMC hardware, software and firmware development with integrated chassis, cooling, power and IPMI controller and management debug tools.

Architecture Overview

The CEN-MMC-F5212 hardware design leverages a Freescale ColdFire5212 32-bit microcontroller with support for local persistent storage device (EEPROM), temp/voltage sensors, GA resistors, LED drivers, watchdog timer, JTAG and hot swap microswitch. The entire MMC operates completely on +3.3V MP, consuming 0.3W maximum.

The CorEdge Networks MMC firmware meets the PICMG and Intelligent Platform Management Interface (IPMI) AMC specifications. This solution has been verified in ATCA and MicroTCA systems by third party testing software and at multiple PICMG sponsored Interoperability Workshops. Both CorEdge Networks and Freescale designed AMCs leverage the CEN-MMC-F5212.



## Customizable Board Support Package

The CEN-MMC-F5212 also provides a board support package (BSP) to enable board-level customization for AMCs. Examples of customization options include:

- Custom AMC payload device control and interface
- Custom power sequencing with different voltage levels
- Custom FRU information and control command support
- Custom alternate/additional temp/voltage sensors
- Custom E-Keying support

## About CorEdge Networks

CorEdge Networks is a leading supplier of ATCA/MicroTCA/AMC/IPMI standards compliant systems and infrastructure products, including the industry's first MicroTCA Carrier Hub (MCH), 10GbE MCH, MicroTCA Power Module, PicoTCA development platform, 10Gbps and 20Gbps Cavium and FPGA-based AMCs and full ATCA Cutaway Carrier. CorEdge Networks customers include a number of leading telecom, military and embedded systems companies. CorEdge Networks works closely with its customer to develop customized solutions. For more detailed information on CorEdge Networks products, see [www.coredgenetworks.com](http://www.coredgenetworks.com).

## CorEdge Networks MicroTCA Products

CorEdge Networks' MicroTCA product line includes boards as well as test/development systems. At the board level, CorEdge Networks produces the industry's only standards-compliant *MicroTCA Carrier Hub (MCH)*, which provides management of a MicroTCA chassis and up to 12 AMCs, and supports various networking and clocking functions. The CorEdge Networks MCH currently supports one of three different *clock modules* that enable Telco, PCI-Express or GPS/WiMAX applications. *Fabric MCH modules* will support 10GbE, PCI-Express or SerialRapidIO 'fat pipe' switching. The MCH interoperates seamlessly with CorEdge's *Power Module*, which provides MicroTCA power management/distribution.

To support MicroTCA system developers, CorEdge Networks has produced the industry's low cost series of ultra-small form-factor *PicoTCA* systems. The *CEN-PICO-1US* is a complete "standalone" AMC and MicroTCA Test and Development System that provides engineers and system designers with a cost-effective tool to aid in the development, design, debug and test of AMC and MicroTCA systems. It includes a System/Power Controller that enables users to quickly "bring up" AMCs in a MicroTCA-like environment to facilitate AMC development. The Pico 1US is extremely compact, measuring 13.0" (w) x 8.0" (d) x 1.75" (h) [1U].