

Ericsson's MicroTCA™ power module is at the forefront of open architecture technology for TEMs and system integrators

Ericsson Power Modules has introduced an evaluative level MicroTCA™ power module under part number ROA 117 5078/1. Aimed at telecom equipment manufacturers (TEMs) and system integrators, the module is for use in systems based on the open-architecture standard MicroTCA™. It is likely that MicroTCA™ will be used in many different types of both applications and Information and Communication Technology (ICT) equipment, and *those nearest to adopting are most likely for edge and access equipment*.

The ROA 117 5078/1 is a high density, high efficiency power module using DC/DC conversion based on synchronous rectification and an FPGA-based Enhanced Module Management Controller (EMMC). Indeed the EMMC's performance was leveraged by semiconductor and firmware technology already developed within Ericsson.

The 355W output power rated module features -48 VDC input, 16 channels of 12V payload power and 16 channels of 3.3V management power in a full-size (6HP) single-width form factor package. Offering reduced energy consumption, lower cost of operation, and a lower environmental impact, the modules feature high efficiency, typically 95% at half load. The module's single-board design offers a cost efficient solution and good thermal performance.

The module is designed to meet PICMG® specification MTCA.0 R1.0, and this version is intended for interoperability testing with other MicroTCA™ system components. It is suitable for use by system integrators and telecom equipment manufacturers during evaluation and testing of MicroTCA™-based systems. The modules' design will be enhanced based on user feedback during the fall of 2007, and it will reach general availability in Q1 2008. Designs for other input sources and enhanced power levels will also be considered during this process.

Open-architecture platforms such as MicroTCA™, supported by commercial off-the-shelf (COTS) products, allow TEMs to reduce their investment in proprietary hardware, which will shorten design cycles and provide economy of scale by reusing common building blocks. This supports the ongoing trend amongst TEMs to shift the value added focus from hardware over to applications and services.

The module has been designed as per the high performance, reliability and environmental standards that Ericsson places on ICT equipment. This has been accomplished using Ericsson Power Modules' extensive power

architecture knowledge, ensuring that cost, efficiency and performance are considered all the way from the AC mains supply down to the payload components.

Ericsson is shaping the future of Mobile and Broadband Internet communications through its continuous technology leadership. Providing innovative solutions in more than 140 countries, Ericsson is helping to create the most powerful communication companies in the world.

FOR FURTHER INFORMATION, PLEASE CONTACT

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About Ericsson Power Modules

Ericsson Power Modules is a supplier of world-class DC/DC power modules for distributed power architectures. With its global design, development, manufacturing and sales network Ericsson Power Modules is a leading supplier of power solutions to meet the customer demand for high performance.

About PICMG

Founded in 1994 as the PCI Industrial Computer Manufacturers Group, PICMG is a consortium of over 400 companies that collaboratively develops open specifications for high performance telecommunications and industrial computing applications. The members of the consortium have a long history of developing and using leading edge products for these industries.

PICMG is a registered trademark of the PCI Industrial Computer Manufacturers Group. MicroTCA is a trademark of PICMG.