



aXcelent 2U

Power Architecture
MicroTCA System



The Embedded Planet aXcelent line of MicroTCA products are fully integrated systems allowing OEMs to quickly field systems built on AMC products and application software. The aXcelent line is available with multiple backplane, fabric, and power configurations and a range of Power Architecture processors AMCs for system control. The flexibility of the system configuration allows for rapid development of wireless and network infrastructure.

The 2U aXcelent system includes an MCH configured for either PCI Express or Serial RapidIO on the fabric channels and Gigabit Ethernet on the base channels. It supports up to six mid-size AMCs, three full-size AMCs or combinations of the two. The chassis includes two hot swappable cooling units with four push pull fans in each unit.

Embedded Planet offers a choice of Power Architecture AMCs for use as control or data plane processors. The AMCs are supported by Linux and VxWorks board support packages to further simplify system development.

Feature Summary:

Specification:	Description:
Form Factor:	2U 19" Rackmount. Accomodates 12 mid-size AMCs, 6 full-size AMCs, or a combination of the two.
Chassis Option:	Includes slots for two MCH modules, two power modules (380W or 760W), 2 hot swappable cooling units, air filters, and an optional 2HP JTAG switching module.
MCH Options:	The MCH can be ordered to include support for PCI Express or Serial RapidIO on the fabric channels, GigE on the base channel and telecom clock distribution.
AMC Options:	The system can be ordered with any of the Power Architecture AMCs from Embedded Planet. The AMCs include single and multi-core options with support for PCI Express and Serial RapidIO fabric channels.
Software Support:	The AMCs can be ordered with both Linux and VxWorks Board Support Packages. The MCH includes NAT-view Easy MCH software for managing the devices in the system.