

Performance Technologies

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IPnexus® Application-Ready Systems for MicroTCA®

Performance Technologies' award-winning Application-Ready Systems for MicroTCA® have revolutionized how system architects think of MicroTCA. The company's sleek, 1U highly integrated design with built-in infrastructure provides a powerful and cost-effective building foundation that combines mature, integrated Carrier Grade Linux® with a wide range of supporting AdvancedMC™ (AMC) options to meet virtually any communications equipment design criteria.

IPnexus® Application-Ready Systems can significantly reduce development expenses and shorten development schedules, resulting in cost savings and faster time-to-market. These second- and third-generation systems are pre-integrated and pre-tested, so they are ready to run your embedded application out of the box.

Application-Ready Systems offer significant design flexibility and can be configured with high-performance single/dual-core compute modules and storage/video/audio modules, as well as serial or T1/E1 communications I/O cards. The platforms accommodate all major AMC form factors such as single/double-width cards, mid- or full-size height. All elements run Performance Technologies' NexusWare®, a CGL 4.0-registered and POSIX-compliant Linux distribution and development environment. NexusWare includes a full suite of software tools that can encompass communication protocols, HA middleware, and SAF-compliant APIs that fully integrate the platform solutions.

All Performance Technologies' Application-Ready Systems for MicroTCA feature advanced cooling, with both push and pull fans to cool up to 40 W per mid-size, single-slot module. The front I/O panel features LEDs (in-service, out-of-service, and user-defined), a reset switch, and a platform management console port. Interconnects to the AMC modules include 1 GbE, x1 PCI Express®, SATA/SAS storage, IPMI management, and Telco Clock distribution. The rear panel has dual 10/100/1000 Mb Ethernet uplink ports, a 10/100 Mb Ethernet out-of-band platform management port, power input, and a power switch.



FEATURES

- › Remote systems management with NexusWare® Portal, RMCP, and SNMP interfaces
- › Designed for telecom as well as aerospace and defense applications
- › Supports a wide range of processing capabilities
- › Integrated NexusWare® Linux® Operating System
- › Integrated Ethernet switch with dual 1 GbE uplinks
- › Integrated PCI Express® switch
- › Integrated MicroTCA® carrier and shelf managers
- › Front-to-back, push/pull cooling
- › AC or DC power options
- › Cooling supports up to 40 W per mid-size, single AdvancedMC™ (AMC) module
- › Telco Clock support
- › Fully compliant with MicroTCA.0, AMC.0, AMC.1, AMC.2, and AMC.3