

Carrier Hubs (MCH)

CompactPCI and AdvancedTCA Systems

Resource Guide 2008

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µTCA-5503 combines management infrastructure and necessary interconnect fabric resources in a single AMC module in order to support up to twelve AMCs in one MicroTCA shelf. It features a primary GbE fabric on Common Options Fabric A and MicroTCA Carrier Management Controller (MCMC) functions to configure and control the elements. The MCMC is the central authority in a MicroTCA shelf and has the ability to monitor and control the constituent AMCs. This control function makes use of IPMI links to each AMC, as well as presence detect, enable, and Geographic Address signals. Where redundancy is required, two MCHs permit the creation of highly reliable systems. For future pluggable enhancements, µTCA-5503 offers built-in expandability features.

*Trusted ePlatform Services***ADVANTECH****FEATURES**

- ✦ Layer 2 GbE switch for up to 12 AdvancedMC™ modules on Common Options Fabric A
- ✦ MCH update channel for Carrier Hub redundancy
- ✦ Front panel GbE uplink over RJ-45 or SFP
- ✦ Pigeon Point based MCMC with direct or switched 10/100 Management LAN port available on front panel
- ✦ Shelf and carrier management with OpenHPI support
- ✦ Switch Management and PCI Express fabric switching