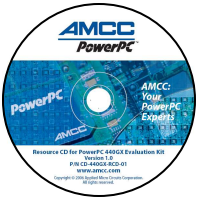


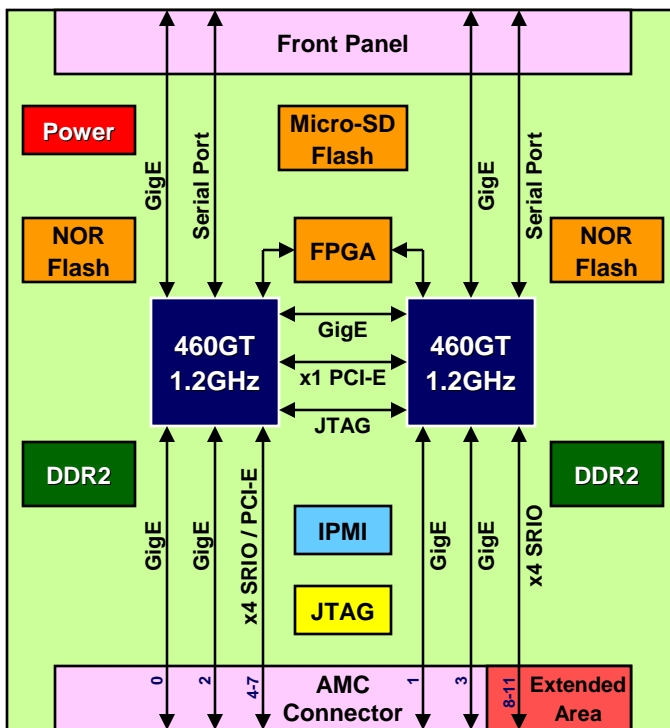
460GT AMC Card Reference Design: "Arches"



- Comprehensive reference design for dual-processor 460GT-based AMC card
- RD-460GT-AMC-01, \$2,995
 - Turnkey hardware/software design minimizes customers' time-to-market.

Custom Linux-based board, developed for AMCC by Silicon Turnkey Express

- Single-width card (180mm x 74mm x17mm)
- Compliant with AMC.2 E2 (GE), AMC.1 (PCI-E), AMC.4 (SRIO) and SCOPE
- Usable stand-alone or in ATCA chassis
- Two 460GT 1.2GHz processors
 - Interconnected via shared memory, GigE and x1 PCI-Express
- Two 512MB DDR2 ECC memory subsystems, one per processor
- Two 64MB NOR flash (one per processor), one 1GB Micro-SD flash
- Two serial ports on front panel, one per processor
- Two 10/100/1G Ethernet ports on front panel, one per processor
- Four 10/100/1G ports on AMC connector, two per processor
 - AMC ports 0 & 1 always active
 - AMC ports 2 & 3 active if front panel RJ-45s not connected
- One x1/x4 Serial RapidIO port on AMC connector (extended area)
- One x1/x4 Serial RapidIO / PCI-Express port on AMC connector
- Shared JTAG connector (cable supplied for standard probe connector)
- Linux 2.6 and U-Boot from Denx
- RapidFET server software for RapidIO configuration.



Preliminary schematics: November '07
 Final schematics (following bring-up): March '08
 Production reference design kit: Q2 '08

AMCC Confidential

Sample applications, benchmarks and documentation on Resource CD.

Schematics, layout, Linux & U-Boot firmware available free at AMCC web site.

