

ARTISAN®
TECHNOLOGY GROUP

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Find the *Molex / Innovative Integration Quadia* at our website: ***Click HERE***

Innovative Integration

2390-A Ward Avenue • Simi Valley, CA 93065
805-578-4260
www.innovative-dsp.com

Duet 3U 64 bit

Duet is a dual-DSP coprocessor board that features a 4M or 5M Virtex-II Pro user reconfigurable FPGA, plus a PMC/XMC module site with JN4 and Rocket I/O connectivity to the baseboard Virtex FPGA. Unusually dense and small, Duet is packaged as a 3U CompactPCI board with an advanced architecture that provides superb inter-processor connectivity and direct hardware access to high-performance PMC-based external analog and communications modules, to deliver blazing performance and extreme flexibility for advanced signal capture and real-time processing applications.

Duet is an ideal platform for integrating high performance DSP and I/O into advanced signal processing, data acquisition, and real-time applications such as telecom, RADAR, SONAR, and wireless communications.



FEATURES

- 1 GHz TMS320C6416 DSP (x2), 64 MB SDRAM per processor
- Flexible internal/external communication mesh
  - 64-bit/66 MHz CompactPCI
- PMC/XMC site with Jn4 to FPGA and 4 Rocket I/O per VITA 42 external data port, up to 12 Gbps
- 4M or 5M Virtex-II Pro FPGA
  - Up to two 2 MB private DDR SBSRAM
- Up to two 128 MB private DDR SDRAM, dedicated 800 MBps links between DSPs, 3U CompactPCI with PXI support
- Applications: High-end co-processing, wireless, broadband communications, RADAR, video, biometrics, and more.

For more information, contact: sales@innovative-dsp.com

RSC# 32856 @ www.compactpci-systems.com/rsc

DSPs and FPGAs CompactPCI and AdvancedTCA Systems Resource Guide 2008

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Quadia

Quadia is a quad-DSP, dual FPGA, dual PMC sites, CompactPCI board with an advanced architecture that provides the best inter-processor connectivity and access to the finest external interfaces available today, to deliver blazing performance and extreme flexibility for advanced signal capture and real-time processing applications.

The board features four C6416 DSPs, split in two independent clusters each hosting a PMC site and one large FPGA for end-user code, a central FPGA routing interprocessor communication, end-user FPGA communication, external port serial I/O for PCI Express or other private link, global memory, and PCI interface. Quadia is an ideal platform for integrating high performance DSP and I/O into advanced signal processing, data acquisition, and real-time applications such as telecom, RADAR, SONAR, and wireless communications.



FEATURES

- 1 GHz TMS320C6416 DSP (x4)
- 64 MB SDRAM per processor
- 64-bit/66 MHz CompactPCI
- Flexible internal/external communication mesh
- Two PMC sites with Jn4 to FPGA
- External data port, up to 12 Gbps

For more information, contact: sales@innovative-dsp.com

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Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

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