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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

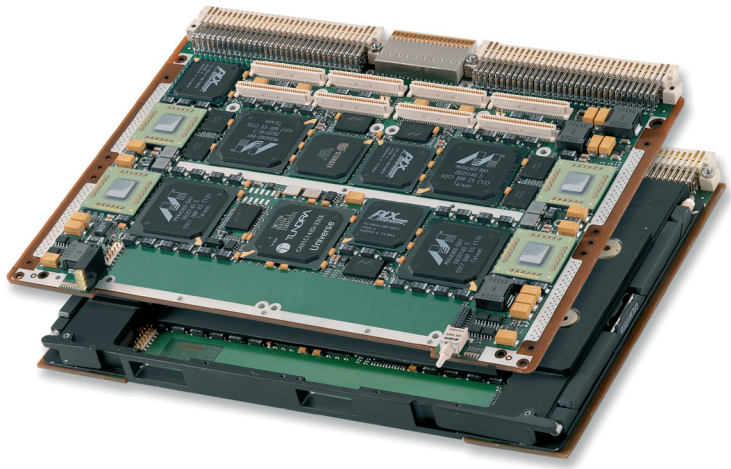
- Critical and expedited services
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Expert team | Trust guarantee | 100% satisfaction

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Find the *Abaco Systems / Radstone G4DSP-7410-141B4* at our website: ***Click HERE***

GE
Intelligent Platforms



G4DSP-XD3

Quad Freescale™ MPC7448 VME Multiprocessor with StarFabric

Features

- Four Freescale™ MPC7448 processors
- 4 banks DDR SDRAM, up to 2 GBytes total
- Two StarFabric ports to P0
- PCI-X to all nodes and both PMC sites
- Gigabit Ethernet to all nodes
- Four serial ports
- Two PMC-X sites
- Central communications resource FPGA
- Rugged 6U VME form factor for air and conduction cooled systems

Software

- AXIS Advanced Multiprocessor Integrated Software
- GE Built-In-Test (BIT) for Power Architecture
- BSPs for LynxOS 5.0 & VxWorks 6.6
- Linux Software Development Kit (SDK)

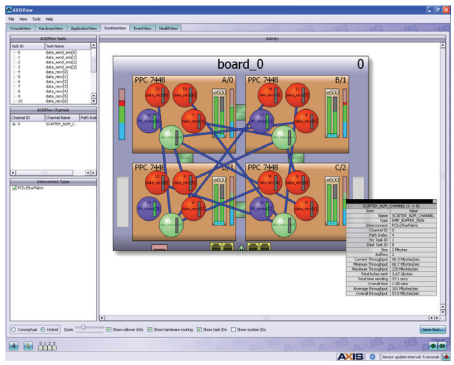
G4DSP-XD3 is the latest rugged, 6U VME Power Architecture multiprocessor in a product family that has been shipping since 2003. Aimed at defense and aerospace applications and available in air and conduction cooled builds, G4DSP-XD3 supports any node to any node data over the onboard PCI-X ring with bandwidths of up to 500 MBytes/s peak.

Multi-board systems are supported through the StarFabric data plane on P0 with additional control and data planes via Gigabit Ethernet and VME. Systems can be scaled up with combinations of G4DSP-XD3s, PPCM2 SBCs and our StarSwitch2 and PMCStarlite switch nodes to meet a range of processing requirements for demanding real-time DSP applications.

AXIS Advanced Multiprocessor Integrated Software provides a suite of fully integrated modules for system development, visualization and deployment including example applications such as a distributed corner turn and stress tests providing a quick start for application development and system evaluation.

AXISView provides the developer an intuitive GUI for system visualization and productivity tools that greatly reduce development time.

RuntimeView shows an AXIS Quick Start example application to assist with algorithm development and system characterization.



System integrators can benchmark their application to scope performance, size, weight and power (SwaP) requirements for the deployed platform.

AXIS VSIPL and RSPL optimized DSP, math and function libraries provide a wide range of optimized functions for the Power Architecture e600/AltiVec platform.

AXISFlow supports high throughput, low latency, inter processor communication (IPC) across all system nodes to maximize system performance, and increase flexibility in the design of the most demanding signal and data processing applications.

G4DSP-XD3 Quad Freescale MPC7448 VME multiprocessor with StarFabric

Specifications

Form factor
- 6U VME

Processors
- Four MPC7448 at up to 1.4 GHz

Memory
- Four banks PC266 DDR SDRAM
  - 256 MBytes per node (standard)
  - 512 MBytes per node (optional)
- 64 MByte FLASH per node (256 MByte total)

Bridged Fabric Architecture
- StarFabric
  - Two StarFabric ports to P0
  - Bridged to internal PCI-X ring

Network
- 4 Gigabit Ethernet ports
  - One port to each Disco3 bridge

Node Management Controller
- Inter-node and inter-board
  - Time stamp, synchronization
  - Mail boxes, semaphores

Serial
- 4 RS232 ports to P2 connector

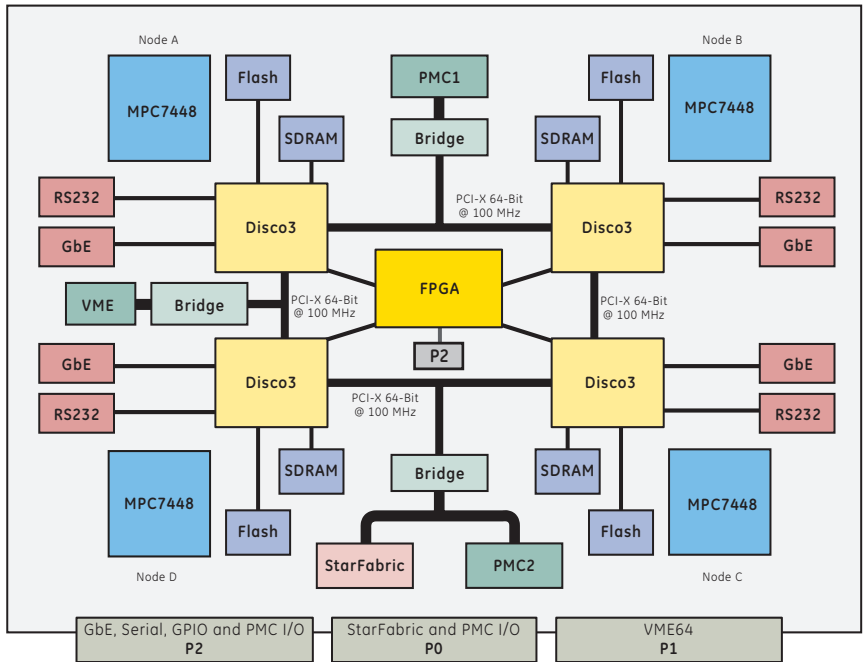
Ruggedization
- Levels 1 to 5

Software
- AXIS Advanced Multiprocessor Integrated Software
- Built-In-Test (BIT) for Power Architecture
- BSPs for LynxOS, VxWorks 6.x & Integrity

AXIS Multicomputer
Open Architecture, COTS Multiprocessor Solutions

Customer Application
AXIS Advanced Multiprocessor Integrated Software
Universal Interface Layer (UIL)
Board Support Package (BSP)
Built-in-Test (configurable POST)
I/O, SBCs, Multiprocessors, Fabric switches

Block Diagram



Ordering Information

G4DSPXD3 - 1 1 B 4

- 4 = BIT & VxWorks 5.5 BootROM
  8 = BIT & VxWorks 6.x BootROM
- B = Type B P0 connector fitted
- 1 = Quad 7448 @ 1GHz & 1GByte SDRAM
  4 = Quad 7448 @ 1GHz & 2GByte SDRAM
- Build levels 1, 2 or 3 convection cooled
  Build levels 4 or 5 conduction cooled

About GE Intelligent Platforms

GE Intelligent Platforms, a General Electric Company (NYSE: GE), is an experienced high-performance technology company and a global provider of hardware, software, services, and expertise in automation and embedded computing. We offer a unique foundation of agile, advanced and ultra-reliable technology that provides customers a sustainable advantage in the industries they serve, including energy, water, consumer packaged goods, government and defense, and telecommunications. GE Intelligent Platforms is a worldwide company headquartered in Charlottesville, VA and is part of GE Home and Business Solutions. For more information, visit www.ge-ip.com.

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AXIS™ Enabled Hardware

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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

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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