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TECHNOLOGY GROUP

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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.

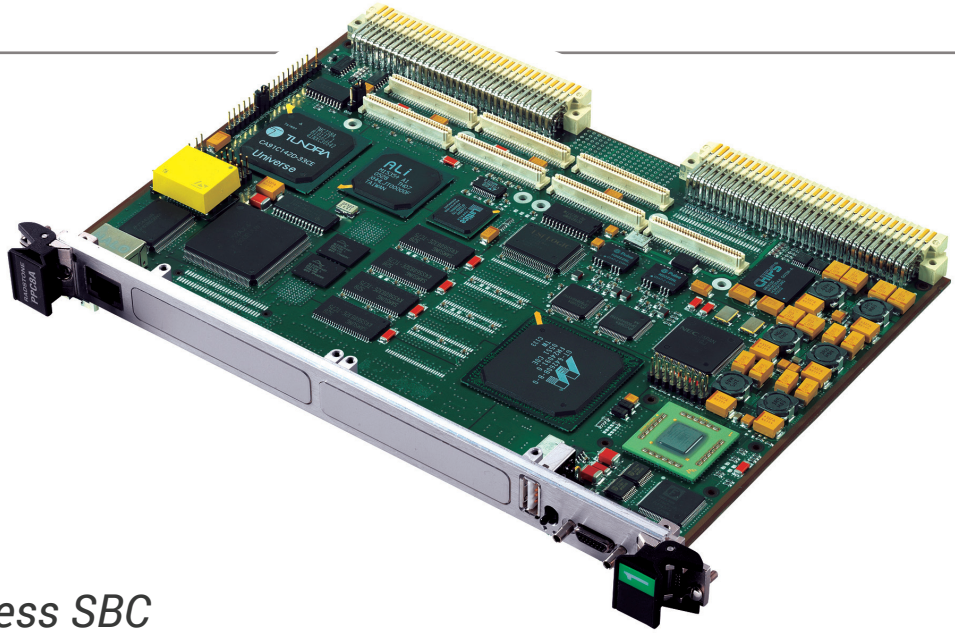
Custom engineering
so your equipment works exactly as you specify.

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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Abaco Systems / Radstone PowerXpress PPC8A-1E54BB5* at our website: *Click HERE*



PPC8A

3rd Generation PowerXpress SBC

PPC8A is the latest technology insert step on the PowerXpress roadmap. Technology Insertion underpins Abaco System's product strategy, allowing enhanced performance and functionality from successive boards in each product family, yet all delivered with the same hardware and software interface definitions.

For example, the PPC8A's pin-out is fully compatible with that of its PowerXpress predecessors (the PPC6 and PPC1A). And the same Board Support Package (BSP) and Deployed Test Software, runs on all 3 boards. This unique commitment to compatibility makes Abaco Systems the supplier of choice to system integrators in defense markets worldwide.

Cost-effective PowerXpress boards target 'sheltered' applications, where expensive 'full ruggedization' is not required (e.g. Naval, Ground Mobile).

Mission-critical services deliver far beyond the PPC8A itself, and include long-term support, configuration control and obsolescence management.

Enhanced features, built above proven core technology, offer the widest design options to new programs and to existing PowerXpress users needing a seamless upgrade. The latest G4+ PowerPC silicon, extra serial ports, Gigabit Ethernet, and USB are all additional to the PPC6 profile.

FEATURES:

- Latest PowerPC Processors
- High performance Architecture
- Wide range of IO features
- Uniquely designed for Sheltered Defense applications
- Key Features
  - PowerPC 7447 to 1.2 GHz
  - 64 bit 66 MHz PCI to both PMC sites
  - 6 x Serial Ports
  - 2 x 10/100 BASE-T Ethernet ports
  - 1 x 10/100/1000 BASE-T Ethernet ports
  - 4 x USB Ports

abaco SYSTEMS

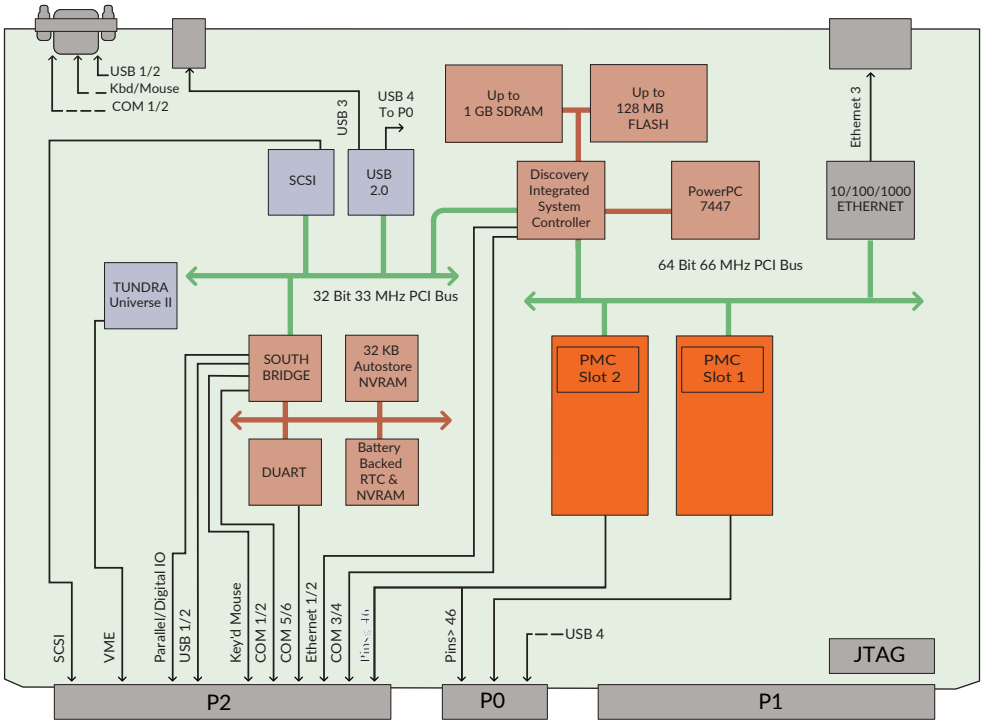
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PPC8A *3rd Generation PowerXpress SBC*

Specifications

- PowerPC 7447 at up to 1.2 GHz
- The Marvell Discovery Integrated System Controller
- 512 KB on-chip L2 cache running at core frequency
- Up to 1 GB of SDRAM (ECC, 64 bit wide at 100 MHz)
- Up to 128 MB of FLASH (32 bit wide at 100 MHz)
- 32kB NVRAM
- Real-Time Clock (1 sec resolution)
- Ethernet Interfaces (2 ports, 10/100 BASE-T and 1 port 10/100/1000 BASE-T)
- USB 1,2 (USB1.1 compatible)
- USB 3,4 (USB 2.0 compatible)
- SCSI (8 bit Ultra SCSI 40 MB/sec)
- Discrete Digital I/O (16 bits)
- Parallel port (IEEE P1284 compatible)
- Timers (8 x 32 bit timer / counters)
- Watchdog Timer, 2 off
- 6 Serial ports
  - COM 1,2 (RS232, provided from the integrated Southbridge
  - COM 3,4 (RS232/422 or 485 software selectable, Async/Sync capable, provided from the Discovery)
  - COM 5,6 (RS232/422 or 485 software selectable provided from a UART)
- DMA engines (8 available)
- Deployed Test Suite including
  - BIT (comprehensive power-up Built-In-Test firmware
  - BCS (Background Condition Screening for non-destructive, continuous on-line testing)
- BSPs (Board Support Packages) and ESPs (Enhanced Support Packages)
  - WindRiver's VxWorks
  - LynuxWorks' LynxOS (planned)
  - Green Hills INTEGRITY (planned)

Block diagram



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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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