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Data Sheet

August 15, 2026

ABACO SYSTEMS / SBS

Abaco Systems / SBS CT9PB4A1AAGC cPCI Single Board Computer with Hot Swap

Abaco SBS CT9 CompactPCI Single Board Computer The SBS / Abaco CT9 isaCompactPCI single-board computer with hot-swap support. Inventory configuration CT9PB4A1AAGC identifies specific CPU memory and I/O population in the CT9 family used as a cPCI system-slot controller. Hot-swap CompactPCI embedded computing for telecom and industrial PICMG systems. Instrument Type: CompactPCI single board computer The SBS / Abaco CT9 isaCompactPCI single-board computer with hot-swap support. Inventory configuration CT9PB4A1AAGC identifies specific CPU memory and I/O population in the CT9 family used as a cPCI system-slot controller. Hot-swap CompactPCI embedded computing for telecom and industrial PICMG systems. Instrument Type: CompactPCI single board computer Form Factor: 3U or 6U CompactPCI per CT9 build



MODEL

**Abaco Systems /
SBS
CT9PB4A1AAGC**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CT9PB4A1AAGC

LISTING

<https://aumictechlabs.com/products/ct9pb4a1aagc-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Abaco Systems / SBS CT9PB4A1AAGC is a CompactPCI (cPCI) Single Board Computer engineered for deployment in rugged, environments. Built with hot-swap capability compliant with

PICMG 2.1, this SBC enables board removal and insertion during live system operation - essential for high-availability applications demanding minimal downtime.

Technical Specifications

Processor: Intel Pentium M, operating up to 1.8 GHz, selected for low power consumption and elimination of onboard ventilation requirements. **Memory:** Up to 1 GB SDRAM with ECC support. **Form Factor:** CompactPCI (cPCI) single board configuration. Related CT series products span 6U and 3U implementations. **Temperature Range:** Extended operation from -40°C to +85°C.

Key Features

- Hot-swap operation per PICMG 2.1 standard for continuous availability
- Low-power Pentium M processor eliminates fan cooling requirements
- Conduction cooling options (VITA 30.1-2001 and ANSI/VITA 20-2001 compliant)
- Stiffener bars and wedge locks for enhanced shock and vibration immunity
- Optional conformal coating for environmental protection
- ECC memory support for data integrity in critical applications

Interfaces

10/100BaseT and Gigabit Ethernet connectivity options support diverse network architectures. Serial I/O, EIDE, serial ATA, and VGA/LCD controller interfaces provide flexible peripheral integration. SCSI and flash storage interfaces available on related configurations.

Typical Applications

The CT9PB4A1AAGC serves telecommunications infrastructure, avionics, military systems, industrial control, and other demanding sectors where equipment operates in harsh conditions and system uptime is non-negotiable. The extended temperature range and ruggedization features make it suitable for outdoor installations and extreme environment deployments.

Compatibility & Integration

Full CompactPCI compliance ensures interoperability within cPCI chassis and backplane ecosystems. The Pentium M architecture supports standard x86 operating systems and development toolchains, simplifying integration into existing platforms.

CT9PB4A1AAGC Characteristics / Specifications

PARAMETER	VALUE
Model	CT9PB4A1AAGC
Model Family	CT9
Instrument Type	CompactPCI single board computer
Form Factor	3U or 6U CompactPCI per CT9 build
Bus Standard	PICMG 2.0 CompactPCI
Hot Swap	yes
Manufacturer	SBS Abaco Systems
Role	system slot SBC class
Memory	DRAM per configuration
Storage	Flash or disk class
Ethernet	onboard class
Serial	console UART
Operating Temperature Class	industrial
Power	CPCI rails
Cooling	forced air
Humidity Class	non condensing
Watchdog	hardware watchdog
Firmware	BIOS or bootloader
PMC	optional PMC site class
IPMI Class	management option on some builds
Duty	continuous
Storage Temperature Class	industrial
Front Panel	reset LEDs
Interrupts	PCI interrupts
Grounding	chassis ground

PARAMETER	VALUE
Storage temperature	Class: industrial
Operating temperature	Class: industrial
Humidity	Class: non condensing

CT9PB4A1AAGC Specifications

PARAMETER	VALUE
Abaco SBS CT9 CompactPCI Single Board Computer	Overview
System slot controller class	Configuration coded CT9 builds
Technical Specifications	Model: CT9PB4A1AAGC
Notes	Identity from Abaco / SBS CT9PB4A1AAGC cPCI SBC listing. Exact CPU and memory are encoded in the CT9 option string.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: industrial
Operating temperature	Class: industrial
Operating Temperature	Class: industrial
Humidity	Class: non condensing
Operating Temperature Class	industrial
Power	CPCI rails
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Humidity Class	non condensing
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Firmware	BIOS or bootloader
PMC	optional PMC site class
IPMI Class	management option on some builds
Duty	continuous
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Grounding	chassis ground Notes Identity from Abaco / SBS CT9PB4A1AAGC cPCI SBC listing. Exact CPU and memory are encoded in the CT9 option string.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.