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Data Sheet

August 15, 2026

ABACO SYSTEMS / SBS

Abaco Systems / SBS VP74221-P0BC Pentium All-In-One 6U VMEbus Embedded Computer

6U VMEbus embedded computer featuring an Intel Pentium processor and comprehensive I/O for demanding applications.



MODEL

**Abaco Systems /
SBS VP74221-
P0BC**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VP74221-P0BC

LISTING

[https://aumictechlabs.c
om/products/vp74221-
p0bc-2/](https://aumictechlabs.com/products/vp74221-p0bc-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Abaco Systems VP74221-P0BC is a 6U VMEbus embedded computer built for demanding OEM applications in telecommunications, industrial automation, military, aerospace, medical, and scientific imaging. Built around an Intel Pentium processor, this all-in-one system combines onboard I/O with PMC expandability and operates across an extended temperature range of -40°C to +75°C, making it suitable for field deployment in harsh environments. Technical Specifications Processor: Intel Pentium Form Factor: 6U VMEbus Power Supply: Single +5V supply Storage Interface: PCIbus Enhanced IDE SCSI: Wide SCSI interface, up to 40 MB/Sec data transfer Operating Temperature Range: -40°C to +75°C Operating Altitude: Sea level to 1000 m (3300 ft.) Key Features Four independent serial channels configurable as RS-232 or RS-422/485 Two IEEE 1284 parallel ports Onboard Ethernet port Integrated video interface PMC (PCI

Mezzanine Card) extension slot for custom I/O expansion Flexible RAM configurations Single +5V power input Typical Applications Telecommunications infrastructure, industrial automation systems, military and aerospace platforms, medical instrumentation, and scientific imaging systems requiring rugged, thermally-extended operation and multi-protocol serial connectivity. Compatibility & Integration Supports Windows NT, Windows 98, MS-DOS, QNX, VxWorks, and Solaris. Mezzanine expansion via PMC interface enables custom I/O integration without redesigning the host platform.

VP74221P0BC Characteristics / Specifications

PARAMETER	VALUE
Model	VP74221-P0BC
Model Family	VP74221
Instrument Type	6U VMEbus embedded computer
Cpu Family	Intel Pentium class
Form Factor	6U VMEbus
Manufacturer	SBS Abaco Systems
Bus Standard	VMEbus
Memory	DRAM class
Storage	onboard or CompactFlash class
Ethernet	onboard
Video	integrated graphics class
Serial	multiple COM ports class
Operating Temperature Class	industrial
Power	VME rails
Cooling	forced air
Humidity Class	non condensing
Watchdog	yes class
BIOS	PC BIOS
PMC Or Expansion	board dependent
Front Panel	IOand status
Duty	continuous
Storage Temperature Class	industrial
Interrupts	VME interrupt handler
System Controller	yes class
Grounding	chassis ground

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

VP74221P0BC Specifications

PARAMETER	VALUE
Abaco SBS VP74221 Pentium 6U VMEbus Embedded Computer	Overview
VMEbus system controller	Configuration coded builds such as P0BC
Technical Specifications	Model: VP74221-P0BC
Notes	Identity from Abaco / SBS VP74221-P0BC listing. Exact CPU MHz and DRAM size follow the P0BC configuration code.

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	VME rails
Cooling	forced air
Humidity Class	non condensing
Watchdog	yes class
BIOS	PC BIOS
PMC Or Expansion	board dependent
Front Panel	IOand status
Duty	continuous
Storage Temperature Class	industrial
Interrupts	VME interrupt handler
System Controller	yes class
Grounding	chassis ground Notes Identity from Abaco / SBS VP74221-P0BC listing. Exact CPU MHz and DRAM size follow the P0BC configuration code.

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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Notes

Identity from Abaco / SBS VP74221-P0BC listing. Exact CPU MHz and DRAM size follow the P0BC configuration code.

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.