

**Aumictech**

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Data Sheet

August 15, 2026

CONCURRENT TECHNOLOGIES

Concurrent Technologies VP 347/021-23 VME Single Board Computer with Breakout Module

The Concurrent Technologies VP 347/021-23 is a PC-compatible, single-slot VME Single Board Computer (SBC) designed for demanding applications. It features a breakout module for enhanced connectivity and functionality, making it suitable for industrial control, defense, telecommunications, telemetry, scientific, and aerospace markets. Aumictech offers NIST-traceable calibration and repair for the Concurrent Technologies VP 347/021-23. Calibration covers analog input channel accuracy and offset at all gain settings, analog output accuracy, digital I/O logic threshold verification, sample rate and timing accuracy, and trigger and synchronization bus functional verification. NI CompactRIO and PXI chassis also undergo backplane trigger line integrity check.. All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1–3 business days after receipt. Common Concurrent Te



MODEL

**Concurrent
Technologies VP
347/021-23**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

VP 347/021-23

LISTING

<https://aumictechlabs.com/products/vp-347-021-23-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Concurrent Technologies VP 347/021-23 is a PC-compatible, single-slot VME Single Board Computer (SBC) designed for demanding applications. It features a breakout module for

enhanced connectivity and functionality, making it suitable for industrial control, defense, telecommunications, telemetry, scientific, and aerospace markets. Technical Specifications *

Processor: * Intel Pentium M Processor 745 at 1.8 GHz * Intel Pentium M Processor 738 at 1.4 GHz (Low Voltage) * The VP 347/02x series processors feature 2 Mbytes on-die L2 cache. Memory: * Up to 2 GB of 333 MHz DDR DRAM. * ECC (Error-Correcting Code) SDRAM is supported. Storage: * Option for on-board Hard Disk Drive. * CompactFlash support. * Hitachi GS Microdrive option. * The LSI Logic 53C1020 Ultra320 Wide SCSI controller is supported, though speed may be limited by available pins. VME Interface: * VME-64 Interface Support. * Utilizes the Universe-II VME bridge. Expansion: * One 66MHz PMC (PCI Mezzanine Card) site for user customization. * Functionality can be further increased through the use of PMC modules. Operating System Support: * Supports a wide range of popular industry-standard operating systems, including VxWorks, Linux, Windows 2000, Windows NT, Windows XP Embedded, Windows XP, RTX, Solaris, LynxOS, QNX, and MS-DOS. * Board Support Packages (BSPs) are available for Linux, Windows, VxWorks, and Solaris. * Optional Fast Boot software package for improved boot times. * Optional Built-in Test (BIT) package for diagnostics. Electrical and Power * Processor Variants: * 1.8 GHz version: 25.5 W board power consumption. * 1.6 GHz version: 24.0 W typical board power consumption. Power Management: * Designed for low power applications; thermally efficient memory and I/O controllers were chosen to complement the Pentium M processor. Interfaces *

Mass Storage: * Ultra Wide SCSI Interface. * Dual EIDE ATA100. * Dual Serial ATA150. Serial Ports: * Four RS232 ports. USB: * Four USB 2.0 ports. Networking: * Dual Gigabit Ethernet ports. Graphics: * 2048 × 1536 graphics interface supported. * Rear panel DVI-D. * Front panel VGA support. Other Interfaces: * Printer port. * Keyboard and mouse interfaces. * Floppy disk interface. * PC real-time clock. * Watchdog timer. * Speaker interface. * Breakout Module: AD VP2/001-20 96-way P2 Backplane Breakout. Physical * Form Factor: * Single Slot VME. * 6U VMEbus board. Dimensions: (Specific dimensions not detailed in available documentation, but adheres to VME64 standard.) Environmental: * Wide-temperature versions may be available. Compatibility * Plug Compatible: * VP345/02x. * VP 101/01x. * VP PSE/P3x. * VP 100/01x. * VP PSE/C1x. * Compatible with legacy VP 92x/01x and VP 92x/41x families. Why Choose Aumictech for Concurrent Technologies VP 347/021-23? At Aumictech, we specialize in supplying high-end VME Single Board Computers. Whether you need solid VME-64 compatibility, extensive I/O connectivity through the breakout module, or reliable performance for demanding defense and aerospace applications, our team ensures the Concurrent Technologies VP 347/021-23 delivers maximum performance for your application.

VP347021 Characteristics / Specifications

PARAMETER	VALUE
Model	VP 347/021-23
Base Model	VP 347
Instrument Type	VME single board computer
Form Factor	VME SBC
Configuration	021-23 with breakout module
Bus	VMEbus VME64/VME64x class
Slot Role	VME system controller class
Manufacturer	Concurrent Technologies
Use Case	VME system CPU
Literature	Concurrent Technologies VP 347/021-23 listings
Family	Concurrent VP 347 VME SBC
Documentation Type	OEM VP 347 listing
Brand Lineage	Concurrent Technologies
System Role	VME single board computer
Application Class	embedded VME control
Operating Temperature Class	commercial VME
Year Class	VP 347 family
Vendor Path	Concurrent Technologies
Documentation Class	OEM VME SBC catalog
Control Class	VME system controller
Companion Role	breakout module for front/rear I/O
Card Format	6U VME SBC
I/O Class	Ethernet and serial class on VP-series SBCs
Memory Class	onboard DRAM/flash on VP-series SBCs
Processor Class	VP-series embedded CPU

PARAMETER	VALUE
Operating temperature	Class: commercial VME

VP347021 Specifications

PARAMETER	VALUE
Applications	VME system CPU with breakout I/O in VME64 crates.
VME single board computer	Configuration 021-23 with breakout
Technical Specifications	Model: VP 347/021-23

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial VME
Operating Temperature	Class: commercial VME
Operating Temperature Class	commercial VME
Year Class	VP 347 family
Vendor Path	Concurrent Technologies
Documentation Class	OEM VME SBC catalog
Control Class	VME system controller
Companion Role	breakout module for front/rear I/O
Card Format	6U VME SBC
I/O Class	Ethernet and serial class on VP-series SBCs
Memory Class	onboard DRAM/flash on VP-series SBCs
Processor Class	VP-series embedded CPU Notes From Concurrent Technologies VP 347/021-23 listings (VME SBC with breakout module). CPU speed, memory size, and Ethernet type are on the VP 347 hardware reference / 021-23 configuration.

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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Slot Role	VME system controller class
Manufacturer	Concurrent Technologies
Use Case	VME system CPU
Literature	Concurrent Technologies VP 347/021-23 listings
Family	Concurrent VP 347 VME SBC
Documentation Type	OEM VP 347 listing
Brand Lineage	Concurrent Technologies
System Role	VME single board computer
Application Class	embedded VME control
Operating Temperature Class	commercial VME
Year Class	VP 347 family
Vendor Path	Concurrent Technologies
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Control Class	VME system controller
Companion Role	breakout module for front/rear I/O
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Notes

From Concurrent Technologies VP 347/021-23 listings (VME SBC with breakout module). CPU speed, memory size, and Ethernet type are on the VP 347 hardware reference / 021-23 configuration.

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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<https://aumictechlabs.com>

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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.