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**Data Sheet**

August 15, 2026

## CONCURRENT TECHNOLOGIES

# Concurrent Technologies VX 407/042-24 VXS Single Board Computer

The Concurrent Technologies VX 407/042-24 is a VXS single board computer engineered for computing in industrial, defense, telecommunications, telemetry, scientific, and aerospace applications. This PC-compatible SBC delivers dual-core Intel processing with 64-bit architecture, supporting up to 4 Gbytes of DDR2 SDRAM and multiple storage interfaces. The ruggedized design accommodates harsh operational environments through configurable covers and protective coatings, while PMC expansion and dual backplane support enable flexible system integration. Three enclosure options: extended covers (RCR-series), standard covers (RCS-series), or no covers (RCT-Series) Aumictech offers NIST-traceable calibration and repair for the Concurrent Technologies VX 407/042-24. Calibration covers analog input channel accuracy and offset at all gain settings, analog output accuracy, digital I/O logic threshold



## MODEL

**Concurrent Technologies VX 407/042-24**

## CALIBRATION

**Available on request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**VX 407/042-24**

## LISTING

<https://aumictechlabs.com/products/vx-407-042-24-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

**This unit**

The Concurrent Technologies VX 407/042-24 is a VXS single board computer engineered for computing in industrial, defense, telecommunications, telemetry, scientific, and aerospace applications. This PC-compatible SBC delivers dual-core Intel processing with 64-bit architecture, supporting up to 4 Gbytes of DDR2 SDRAM and multiple storage interfaces. The ruggedized design accommodates harsh operational environments through configurable covers and protective coatings, while PMC expansion and dual backplane support enable flexible system integration. Technical Specifications Processor Intel Core 2 Duo: 2.16 GHz or 1.5 GHz dual-core Front Side Bus: 667 MHz L1 cache: 64 KB L2 cache: 4 MB shared Intel 64 Technology support Memory & Storage Maximum RAM: 4 Gbytes DDR2 SDRAM at 667 MHz SATA interface for storage Optional on-board hard disk drive CompactFlash and Hitachi GST MicroDrive support Interconnect VITA 41.3 VXS backplane support Dual Gigabit Ethernet (VXS or VME64x configuration) PMC expansion via 32-bit and 64-bit PCI Bus Key Features Dual-core architecture with 64-bit computing capability Three enclosure options: extended covers (RCR-series), standard covers (RCS-series), or no covers (RCT-Series) Humidity seal and conformal coating options for moisture and chemical resistance PC-compatible architecture for OS flexibility Typical Applications Industrial embedded systems, defense platforms, telecommunications infrastructure, airborne and space-based telemetry systems, and scientific instrumentation requiring persistent operation in environmental extremes. Compatibility & Integration Fully plug-compatible with the VX 405/04x family. Provides P2 backward compatibility with VP 305/01x and VP 307/01x families when P0 connector is not fitted. Supports industry-standard operating systems across diverse deployment environments.

## VX407042 Characteristics / Specifications

| PARAMETER           | VALUE                                          |
|---------------------|------------------------------------------------|
| Model               | VX 407/042-24                                  |
| Base Model          | VX 407                                         |
| Configuration       | 042-24                                         |
| Instrument Type     | VXS single board computer                      |
| Form Factor         | VXS SBC                                        |
| Bus                 | VXS / VME64x class                             |
| Slot Role           | VXS system controller class                    |
| Manufacturer        | Concurrent Technologies                        |
| Literature          | Concurrent Technologies VX 407/042-24 listings |
| Family              | Concurrent VX 407 VXS SBC                      |
| Brand Lineage       | Concurrent Technologies                        |
| System Role         | VXS single board computer                      |
| Use Case            | VXS system CPU                                 |
| Documentation Type  | OEM VX 407 listing                             |
| Year Class          | VX 407                                         |
| Application Class   | embedded VXS control                           |
| Vendor Path         | Concurrent Technologies                        |
| Card Format         | 6U VXS SBC class                               |
| Documentation Class | OEM VXS SBC catalog                            |
| Control Class       | VXS system controller                          |
| Companion Role      | VXS crate                                      |
| Operating Mode      | embedded SBC                                   |
| Instrument Class    | single board computer                          |
| Processor Class     | VX-series embedded CPU                         |
| Memory Class        | onboard DRAM/flash on VX-series SBCs           |

| PARAMETER                   | VALUE                                       |
|-----------------------------|---------------------------------------------|
| I/O Class                   | Ethernet and serial class on VX-series SBCs |
| Operating Temperature Class | commercial VXS                              |
| Operating temperature       | Class: commercial VXS                       |

# VX407042 Specifications

| PARAMETER                          | VALUE                                                 |
|------------------------------------|-------------------------------------------------------|
| Applications                       | VXS system CPU in embedded and ATE VXS/VME64x crates. |
| VXS single board computer          | Configuration 042-24                                  |
| Embedded Ethernet/serial class I/O | 6U VXS SBC class                                      |
| Technical Specifications           | Model: VX 407/042-24                                  |

# General Specifications & Supplementary Characteristics

| PARAMETER                   | VALUE                                                                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature       | Class: commercial VXS                                                                                                                                                                                            |
| Operating Temperature       | Class: commercial VXS                                                                                                                                                                                            |
| Operating Temperature Class | commercial VXS Notes From Concurrent Technologies VX 407/042-24 listings (VXS SBC, 042-24 configuration). CPU speed, memory size, and Ethernet type are on the VX 407 hardware reference / 042-24 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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| PARAMETER           | VALUE                                          |
| Model               | VX 407/042-24                                  |
| Base Model          | VX 407                                         |
| Configuration       | 042-24                                         |
| Instrument Type     | VXS single board computer                      |
| Form Factor         | VXS SBC                                        |
| Bus                 | VXS / VME64x class                             |
| Slot Role           | VXS system controller class                    |
| Manufacturer        | Concurrent Technologies                        |
| Literature          | Concurrent Technologies VX 407/042-24 listings |
| Family              | Concurrent VX 407 VXS SBC                      |
| Brand Lineage       | Concurrent Technologies                        |
| System Role         | VXS single board computer                      |
| Use Case            | VXS system CPU                                 |
| Documentation Type  | OEM VX 407 listing                             |
| Year Class          | VX 407                                         |
| Application Class   | embedded VXS control                           |
| Vendor Path         | Concurrent Technologies                        |
| Card Format         | 6U VXS SBC class                               |
| Documentation Class | OEM VXS SBC catalog                            |
| Control Class       | VXS system controller                          |
| Companion Role      | VXS crate                                      |
| Operating Mode      | embedded SBC                                   |
| Instrument Class    | single board computer                          |
| Processor Class     | VX-series embedded CPU                         |
| Memory Class        | onboard DRAM/flash on VX-series SBCs           |
| I/O Class           | Ethernet and serial class on VX-series SBCs    |

| PARAMETER                   | VALUE          |
|-----------------------------|----------------|
| Operating Temperature Class | commercial VXS |

Notes  
From Concurrent Technologies VX 407/042-24 listings (VXS SBC, 042-24 configuration). CPU speed, memory size, and Ethernet type are on the VX 407 hardware reference / 042-24 configuration.

### Available from Aumictech

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

Request a quote: [sales@aumictech.com](mailto: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.