

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

**Artisan Technology Group**
(217) 352-9330 | sales@artisantg.com | artisantg.com

**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.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

**Expert team | Trust guarantee | 100% satisfaction**

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

**Visit our website - *Click HERE***

HIGHLAND TECHNOLOGY

# V120 VME PCI Express Crate Controller

## Features

- PC memory-mapped VME Crate Controller in single-wide 6U format
- Cabled PCIe connects to PC over up to 7 meter PCI Express cable
- Provides 8192 16kB VME mapping pages; individual page descriptors support address mapping/modifiers, speed options, dynamic endian swapping
- Includes concurrent Ethernet and USB ports
- Diagnostics: power supply, temperature, and air flow monitors
  Reads back DTACK speed, address/data, and errors for any transaction
  Front panel LEDs and bus signal scope monitors are provided
- Optional DMA and VME64 support
- No proprietary VME chips: designed for long-term availability
- Clean, simple architecture: no jumpers and no setup needed for basic VME I/O




The V120 is a VME bus master crate controller, usable as a crate slot 0 arbiter or as a secondary controller. Each PCI Express cable driver board, in a PC backplane, can drive one to four V120s over standard, flexible PCI Express cable assemblies up to 7 meters long.

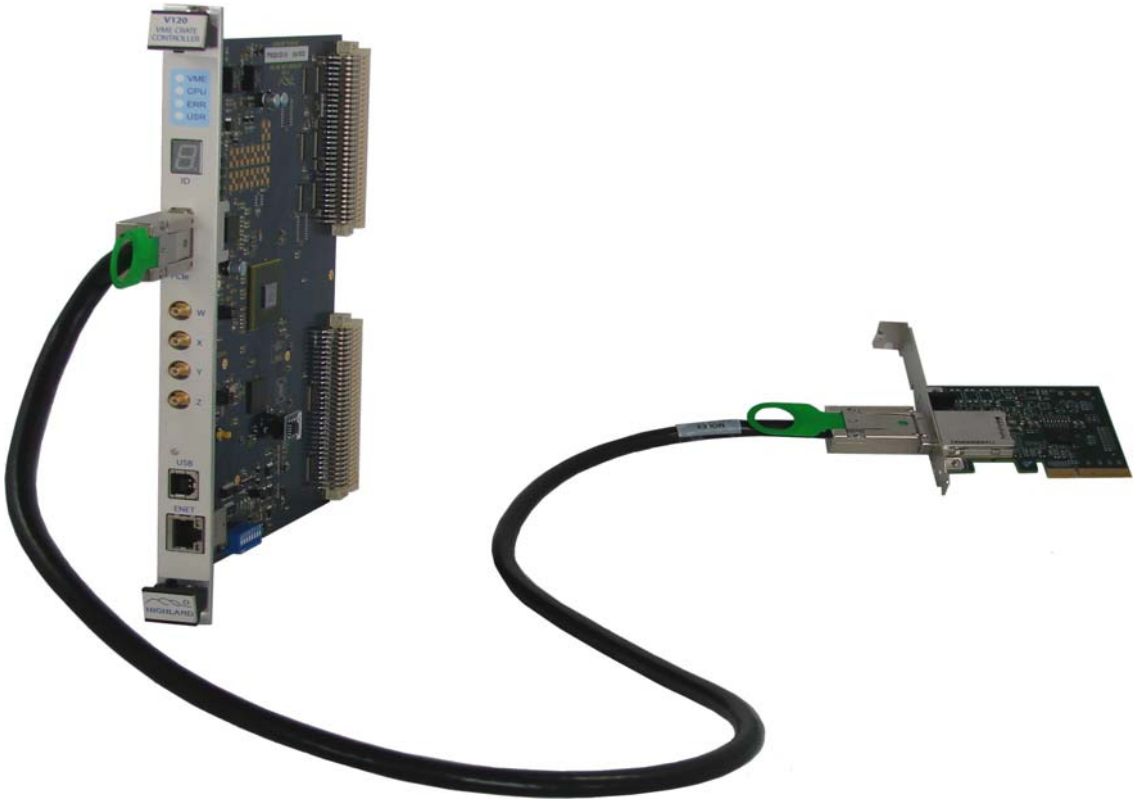
VME module registers are directly mapped into PC address space. The V120 provides 8192 page mapping registers, each controlling a 16 kbyte PC-to-VME translation page with flexible timing and endian controls. The default powerup mapping allows immediate access to the A16, A24, and partial A32 VME address spaces.

Ethernet and USB ports are included. Status LEDs and scope monitors expose bus operation and timing. Bus cycle analysis, power supply, temperature, and air flow monitoring are standard.

650 Potrero Ave San Francisco, CA www.highlandtechnology.com tel: 415 551-1700 fax: 415 551-5129

# Specifications : V120 VME PCI Express Crate Controller

| | |
|---|---|
| FUNCTION | VME crate controller |
| DEVICE TYPE | VME master: A32: A24: A16: D08: D16: D32<br>VME system controller: BTO(64), IH(1-7)<br>Optional VME64 |
| OPERATING TEMPERATURE | 0 to 60°C; extended MIL/COTS ranges available |
| POWER | Standard VME supplies:<br>+ 5 V, 2 A max<br>+12 V, 50 mA max<br>-12 V, 50 mA max |
| CONNECTORS | VME64 P1/P2<br>Four front-panel SMB test connectors<br>One PCI Express 4 lane connector<br>One type B USB connector<br>One RJ45 100 MHz Ethernet connector |
| INDICATORS | LEDs indicate VME access, CPU activity, error conditions; additional LED is user programmable<br>7-segment display indicates unit number |
| PACKAGING | 6U single-wide VME module |
| CONFORMANCE | ANSI/VITA 1-1994 (R2002) VMEbus spec<br>PCI Express Base Specification 1.1, Gen1<br>PCI Express External Cabling Specification 1.0 |



650 Potrero Ave San Francisco, CA www.highlandtechnology.com tel: 415 551-1700 fax: 415 551-5129

**Artisan Technology Group** is an independent supplier of quality pre-owned equipment

## 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.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP