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TECHNOLOGY GROUP

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The Wayback Machine - https://web.archive.org/web/20111125185210/http://gocct.com/sheets/VP/vpa4501x-rc.htm

VP A45/01x-RC - Intel® Atom™ Processor Dual PMC Controller - Ruggedized Conduction-Cooled

The VP A45/01x-RC is a PC-compatible low power, high functionality, ruggedized conduction-cooled 6U VME board supporting the 1.6 GHz Intel® Atom™ processor N270. It utilizes the Intel® 945GSE mobile chipset to support 2 Gbytes of DDR2-533 SDRAM. This single slot board features 1 PMC/XMC site and 1 PMC site, an on-board CompactFlash™ site and a range of I/O including two Ethernet interfaces. The VP A45/01x-RC is a ruggedized conduction-cooled board, operating in temperatures from -40°C to +85°C, making it suitable for a range of applications within the industrial control, transport, security, aerospace and defense industries. The board is rear I/O plug compatible with the commercial and the ruggedized air-cooled versions. To simplify the board's integration many industry standard operating systems are supported.



VP A45/01x-RC

View the datasheet
Request a Technical Reference Manual
View the ruggedized air-cooled variant
View the commercial air-cooled variant

Contact Us: sales@gocct.com
Sales Channels

Related products



VP A45/01x-RC

Features

- Ruggedized 6U single board computer:
  - conduction cooled to IEEE 1101.2
  - supports 2 conduction-cooled PMC modules conforming to ANSI/VITA 20
  - -40°C to +85°C operating temperature
  - conformally coated
- 1.6 GHz Intel® Atom™ processor:
  - 512 Kbytes L2 cache
  - Intel® Hyper-Threading Technology supports 2 execution threads
- 2 Gbytes of DDR2-533 SDRAM
- Dual SATA150 drive interfaces
- Option for an on-board SATA 2.5-inch solid state drive
- EIDE interface for an on-board CompactFlash® socket
- 1 x PMC/XMC and 1 x PMC module interfaces:
  - 1 x 32-bit, 33MHz PCI PMC site
  - 1 x 32/64-bit, 33/66 MHz PCI/PCI-X™ PMC site
  - 1 x XMC module interface (x1 PCI Express®)
- Keyboard, mouse and DVI-D graphics interfaces via P2
- 1 x serial channel and 2 x USB 2.0 interfaces
- 2 x Ethernet interfaces: - 2 x 10/100/1000Mbps Ethernet channels via P0
- Built-In Test (BIT) support planned: - Power-on BIT, Initiated BIT, Continuous BIT
- Watchdog and long duration timer
- 4 Mbytes of BIOS Flash EPROM
- VME64 interface supporting A32/A24/A16/D64/D32/D16/D8(E0), MBLT64
- Ruggedized air-cooled version:
  - -40°C to +75°C, conformally coated
- Non-ruggedized air-cooled versions:
  - rear plug compatible with ruggedized version
  - useful for bench development
  - useful in commercial (non-rugged) applications
- Support for Linux®, Windows® XP, Windows® XP Embedded, QNX® and VxWorks®

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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.

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

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