

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*

ORION
A Phoenix Mecano Company

search here …

VPX7705

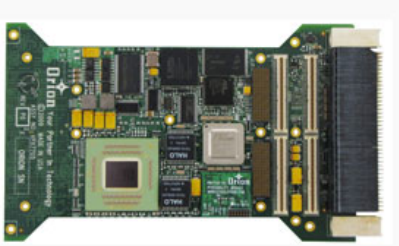
Home » Products » Single Board Computers » VPX Single Board Computers » VPX7705

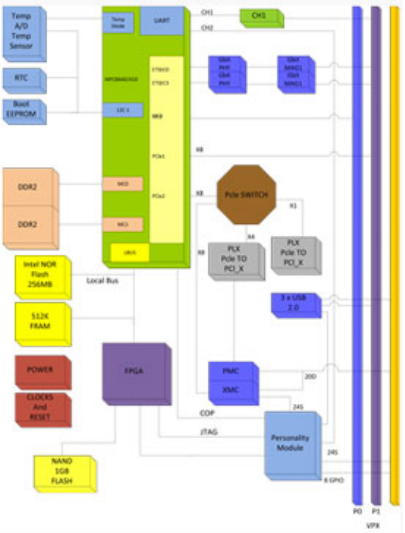
Power and Flexibility / Customer Configurable IO via Personality Modules

This product is End-of-Life.

The Orion VPX7705 Single Board Computer (SBC) is the industry's most flexible, rugged, high-performance Dual Core PowerPC VPX SBC in today's embedded marketplace. By incorporating the power of the Freescale MPC8640D™ and the unparalleled complement of I/O via the customer configurable "Personality Modules", we can adapt this product to practically any Military, Industrial or Commercial application. The VPX7705 is available in 4 levels of ruggedization from commercial temperature air-cooled (0.8" pitch) to extended temperature REDI (Vita 48.2, 0.85" & 1.00" pitch). With two VPX 4-lane PCI express fabric ports and an 8-lane PCI express XMC slot, the VPX7705 design has streamlined high-speed board-to-board communication. The VPX7705's 2 Gb Ethernet ports, 2 serial ports, 3 USB 2.0, 8 general purpose IO and PMC P14 or XMC P16 IO are all accessible through VPX connectors P1 and P2.

VPX7705





Features:

- Freescale Dual Core MPC8640D at up to 1GHz
- 64K L1 data and instruction caches
- 1 MB internal L2 Cache per Core
- Conduction or Air-cooled versions
- Extended temperature & rugged REDI (Vita 48.2)
- On-board temperature monitoring
- 30W typical power dissipation
- Up to 2 GB of soldered DDR2 SDRAM with ECC
- 256 MB of on-board user NOR Flash
- 1 GB of on-board NAND Flash
- 512 KB AutoStore FRAM
- 64-bit/133MHz PCI-X PMC slot (PrPMC)

- 8-lane PCIe XMC slot (Vita 42.3)
- Two 4-lane PCIe ports on VPX P1 (Vita 46.2)
- Customer Configurable I/O via Personality Modules
- Two 10/100/1000 Ethernet ports (Vita 46.9)
- Two Serial ports, 1x RS232, 2nd configurable
- Eight configurable GPIO
- Three USB 2.0 ports
- PMC/XMC front panel (air cooled version) & P14/P16 Rear I/O
- Automatically detects whether it is a System Host or Peripheral controller
- Single slot 3U VPX
- RTC, GP, WD & timers
- U-Boot ROM monitor
- VxWorks™, LynxOS & Linux software support

Processor options:

- 1GHz Freescale Dual Core 8640D
- 1.5GHz Freescale Dual Core 8641D

Contact Us

Please contact us using the form to the left or at 407-476-2120 to discuss your requirements in detail. Orion's team of experienced engineers is available to work with you to provide a solution designed around your specific requirements.

Name | Company (if applicat

Phone | Email

I am requesting info about:

Comments

I'm not a robot

reCAPTCHA
Privacy - Terms

SUBMIT INQUIRY

CONTACT
12605 Challenger Pkwy #130
Orlando, FL 32826
Tel: (407) 476-2120

© 2021

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