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Data Sheet

August 13, 2026

KONTRON / ROTEC TECHNOLOGY

Kontron / Rotec Technology Gamma7 Industrial VMEbus-PC

Kontron Rotec Gamma7 Industrial VMEbus PC Pentium III 500 MHz The Kontron / Rotec Gamma7 is a complete industrial PC with a VMEbus interface. CPU is Intel Mobile Pentium III Coppermine 500 MHz on MMC2 (about 10 W versus 28 W desktop PIII-500). Chipset Intel 440BX. 256 kB L2 on die. SDRAM 32 MB to 256 MB at 100 MHz. IDE 2.5 inch HDD 6 to 20 GB class, or silicon disk to 1 GB. Onboard NE2000-compatible Ethernet 10Base-T / 100Base-TX. PCI 3D graphics with up to 8 MB, simultaneous LCD and CRT, DVI to 10 m, true color to 1600×1200. Universe II PCI/VME bridge. Watchdog, voltage/temperature monitor, NMI timer for Windows and VxWorks. Expansion: ISA adapter or PC/104, independent of VME. Listing examples include 32 MB RAM, 20 GB or 3.2 GB HDD, ISA expansion module. The Kontron / Rotec Gamma7 is a complete industrial PC with a VMEbus interface. CPU is Intel Mobile Pentium III Coppermine 500 MHz on MMC2 (about 10 W versus 28 W desktop PIII-500). Chipset Intel 440BX. 256 kB L2 on die. SDRAM 32 MB to 256 MB at 100 MHz. IDE 2.5 inch HDD 6 to 20 GB class, or silicon disk to 1 GB. Onboard NE2000-compatible Ethernet 10Base-T / 100Base-TX. PCI 3D graphics with up to 8 MB, simultaneous LCD and CRT, DVI to 10 m, true color to 1600×1200. Universe II PCI/VME bridge. Watchdog, voltage/temperature monitor, NMI timer for Windows and VxWorks. Expansion: ISA adapter or PC/104, independent of VME. Listing example



MODEL

**Kontron / Rotec
Technology
Gamma7**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

Gamma7

LISTING

<https://aumictechlabs.com/products/gamma7-2/>

NIST-traceable cal

SAM registered

30-day returns

This unit

The Kontron/Rotec Technology Gamma7 is an industrial VMEbus-PC that bridges VME architecture with PC compatibility for control and data acquisition systems. It combines a 500 MHz Intel Mobile Pentium III processor with VME master/slave/controller capability, delivering high reliability in demanding operational environments where system uptime and data integrity are essential. The system supports configurable SDRAM from 32 MB to 256 MB, IDE storage up to 20 GB, and dual display output (LCD and CRT) with resolution support to 1600 × 1200 pixels and 16.7 million colors.

Technical Specifications

Processor & Memory CPU: Intel Mobile Pentium III (Coppermine), 500 MHz, 256 KB L2 cache, 10 W power consumption Main Memory: SDRAM, 32 MB to 256 MB at 100 MHz Chipset: Intel 440 BX AGP with 100% PC compatibility Storage IDE-compatible 2.5" hard disks: 6 GB to 20 GB capacity Silicon disk alternative: up to 1 GB for high-temperature, shock, and vibration environments Graphics & Display PCI-bus graphics with up to 8 MB integrated memory DVI digital output for LCD connection up to 10 meters True color (16.7 million colors) at 1600 × 1200 pixels maximum Simultaneous LCD and CRT operation VMEbus Interface Universe II PCI/VME bridge with 256 kB SRAM VME system controller, master, and slave functionality VME arbiter, bus requester, timer, interrupter, interrupt handler VME mailbox and local interrupt controller Networking & Connectivity NE2000-compatible 10 Mbit/s and 100 Mbit/s Ethernet (RJ45) Dual RS232 serial ports (16C550 compatible) Parallel port (ECP/EPP/SPP compatible) PS/2 keyboard/mouse connectors Floppy drive support up to 2.88 MB USB support

Key Features VME specification compliance with configurable interface registers PC/104 expansion via G7-104AD adapter ISA bus extension support through optional ISA1-Bus adapter Watchdog timer for system monitoring Typical Applications Industrial control systems, embedded data acquisition, VME-based instrumentation, and process automation requiring dual-architecture compatibility. Compatibility & Integration 100% PC-compatible architecture enables standard Windows and Linux deployment while maintaining full VME interconnectivity. Open hardware design supports third-party expansion modules and legacy ISA peripherals through adapter cards.

GAMMA7 Characteristics / Specifications

PARAMETER	VALUE
Model	Gamma7
Manufacturer	Kontron / Rotec Technology
Instrument Type	Industrial VMEbus PC
Series	Gamma7
Alias	Gamma 7; Gamma-7
CPU	Intel Mobile Pentium III Coppermine 500 MHz
CPU Module	MMC2 notebook module
CPU Power	about 10 W (desktop PIII 500 MHz about 28 W)
L2 Cache	256 kB on die
Chipset	Intel 440BX
DRAM	32 MB to 256 MB SDRAM
DRAM Clock	100 MHz
Mass Storage	IDE 2.5 inch HDD 6 GB to 20 GB class
Silicon Disk	IDE compatible up to 1 GB class
Ethernet	NE2000 compatible 10Base-T / 100Base-TX
Graphics Memory	up to 8 MB
Graphics Bus	PCI
LCD CRT	simultaneous
DVI Distance	up to 10 m
True Color LCD	up to 1600 × 1200
VME Bridge	Universe II PCI/VME
Watchdog	local software and hardware monitor
Voltage Monitor	yes
Temperature Monitor	yes
NMI Timer	real-time under Windows and VxWorks

PARAMETER	VALUE
ISA Expansion	adapter independent of VME
PC104 Expansion	alternative adapter
OS Class	Windows and VxWorks
Listing RAM Example	32 MB
Listing HDD Examples	20 GB or 3.2 GB
Status	legacy
Form	industrial VME PC Notes Specs from Kontron/Rotec Gamma7 announcement (PIII-M 500 MHz MMC2, 440BX, 32-256 MB, Universe II, NE2000, DVI/1600×1200). Confirm RAM, HDD, and ISA versus PC/104 adapter on the unit.

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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Specifications

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OS Class	Windows and VxWorks
Listing RAM Example	32 MB
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Status: legacy

Form: industrial VME PC

Notes

Specs from Kontron/Rotec Gamma7 announcement (PIII-M 500 MHz MMC2, 440BX, 32-256 MB, Universe II, NE2000, DVI/1600x1200). Confirm RAM, HDD, and ISA versus PC/104 adapter on the unit.

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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30-day returns
NAICS 423690 · 811210 · 541380
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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.