

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KONTRON

Kontron CP6000 CompactPCI Embedded Computer

Kontron CP6000 6U CompactPCI PentiumMPICMG 2.16 CPU Blade The Kontron CP6000 is a 6U 4HP CompactPCI system controller for Intel PentiumMand CeleronMprocessors with 400 MHz FSB in 479-pin uFCBGA. Chipset Intel 855GME plus 6300ESB ICH. Pentium M 1.1 GHz LV (1024 kB L2), 1.6 GHz (1024 kB), 1.4 GHz LV (2048 kB), 1.8 GHz (2048 kB 745); Celeron M 1.3 GHz (512 kB). Up to 2 GB PC333 DDR ECC in two 200-pin SODIMMs. Four Gigabit Ethernet ports (2 front, 2 rear PICMG 2.16). 855GME graphics 64 MB shared. One 64-bit/66 MHz 3.3 V PMC. Rear I/O on J3/J4/J5. IPMI v1.5. Hot-swap. Onboard 2.5 inch HDD and CompactFlash usable together. Power typically 22 W at 1.1/1.4 GHz, 39 W at 1.6/1.8 GHz. CompactPCI spec Rev 3.0 32-bit/33 MHz class plus PICMG 2.16. The Kontron CP6000 is a 6U 4HP CompactPCI system controller for Intel PentiumMand CeleronMprocessors with 400 MHz FSB in 479-pin uFCBGA. Chipset Intel 855GME plus 6300ESB ICH. Pentium M 1.1 GHz LV (1024 kB L2), 1.6 GHz (1024 kB), 1.4 GHz LV (2048 kB), 1.8 GHz (2048 kB 745); Celeron M 1.3 GHz (512 kB). Up to 2 GB PC333 DDR ECC in two 200-pin SODIMMs. Four Gigabit Ethernet ports (2 front, 2 rear PICMG 2.16). 855GME graphics 64 MB shared. One 64-bit/66 MHz 3.3 V PMC. Rear I/O on J3/J4/J5. IPMI v1.5. Hot-swap. Onboard 2.5 inch HDD and CompactFlash usable together. Power typically 22 W at 1.1/1.4 GHz, 39 W at 1.6/1.8 GHz. CompactPCI spec Rev 3.0 32-bit



MODEL

Kontron CP6000

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

CP6000

LISTING

<https://aumictechlabs.com/products/cp6000-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kontron CP6000 is a 6U CompactPCI embedded computer engineered for demanding industrial, transportation, and defense applications. Built on the Intel 855GME chipset with a Pentium M processor (1.1 GHz LV to 1.8 GHz), it delivers performance equivalent to a 2.6–2.8 GHz Pentium 4 at approximately half the power consumption. The system supports up to 2 GB PC333 DDR SDRAM with ECC, integrated Intel Extreme Graphics 2 for high-resolution output (2048 × 1536 × 8-bit/60 Hz), and flexible storage via 2.5-inch HDD (SATA/IDE) or CompactFlash. Connectivity includes up to four Gigabit Ethernet ports (10/100/1000Base-Tx), USB 2.0, dual serial interfaces, and one 64-bit/66 MHz PMC slot for functional expansion. The CompactPCI backplane operates at 32-bit/33 MHz (PICMG 2.0 Rev. 3.0 compatible) with optional PICMG 2.16 R1.0 packet-switching support, enabling deployment as either a system master or PCI passive peripheral.

Technical Specifications Processor: Intel Pentium M, 1.1 GHz LV to 1.8 GHz; Celeron M options available Chipset: Intel 855GME with 6300ESB I/O Controller Hub Memory: Up to 2 GB PC333 DDR SDRAM with ECC (two 200-pin SODIMM sockets) Cache: 2× 32 KB L1; 1 MB or 2 MB L2 (processor dependent); up to 512 KB for Celeron M FSB: 400 MHz Graphics: Intel Extreme Graphics 2; up to 2048 × 1536 × 8-bit/60 Hz; up to 64 MB dynamic video memory; VGA CRT output Storage: 2.5-inch HDD (SATA or IDE); CompactFlash socket CompactPCI: 32-bit/33 MHz; 5 V default (3.3 V available); REQ/GNT for 7 slots; PICMG 2.0 Rev. 3.0; optional PICMG 2.16 R1.0 PMC Slot: One 64-bit/66 MHz (Pn1-Pn4); 3.3 V PCI; rear I/O via Pn3 Ethernet: Up to four Gigabit ports (10/100/1000Base-Tx) USB: USB 2.0 on front panel Serial: Two COM ports EIDE/SATA: Full interface support Key Features Low-power Pentium M architecture with Pentium 4-class performance Dual Gigabit Ethernet plus PMC expansion for SCSI or additional network adapters Integrated graphics with dynamic video memory allocation ECC memory protection for systems Flexible 5 V / 3.3 V CompactPCI signaling Typical Applications Industrial process control and automation Transportation management systems Defense and military embedded systems Real-time data acquisition and signal processing Compatibility & Integration PICMG 2.0 Rev. 3.0 compliant backplane architecture supports both system master and passive peripheral configurations. Optional PICMG 2.16 R1.0 enables packet-switching topologies for high-bandwidth communication. PMC interface accepts third-party modules for Ultra 160/320 SCSI and Gigabit Ethernet expansion.

CP6000 Characteristics / Specifications

PARAMETER	VALUE
Model	CP6000
Manufacturer	Kontron
Instrument Type	6U CompactPCI CPU blade
Series	CP6000
Alias	CP 6000
Form Factor	6U CompactPCI 4HP
CPU	Intel PentiumMup to 1.8 GHz or CeleronM FSB: 400 MHz
Package	479 pin uFCBGA
L2 Cache	512 kB to 2048 kB on die at CPU speed
Chipset	Intel 855GME and 6300ESB
DRAM	up to 2 GB ECC DDR PC333, 2× 200 pin SODIMM
Graphics	855GME internal, 64 MB shared
Ethernet	4x GbE, 2 front, 2 rear PICMG 2.16
PMC	1 slot 64 bit 66 MHz 3.3 V
Rear IO	J3, J4, J5
IPMI	v1.5
CompactPCI	PICMG 2.0 R 3.0
Packet Switch	PICMG 2.16
HDD	onboard 2.5 inch
CompactFlash	yes, simultaneous with HDD
Power 1.1 1.4 GHz	max 22 W
Power 1.6 1.8 GHz	max 39 W
Slot Role	system or peripheral
Hot Swap	full
Status	legacy

PARAMETER	VALUE
Pentium M 1.1 GHz	LV 1024 kB L2
Pentium M 1.8 GHz	745 2048 kB L2
Celeron M 1.3 GHz	512 kB L2
LV Cooling	1.1/1.4 GHz passive cooling path Notes Specs from Kontron CP6000 product page and CP6000 PentiumMPICMG 2.16 manual. Confirm CPU SKU, RAM, PMC population, and 2.16 Ethernet routing.

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	
Specifications	
PARAMETER	VALUE
Model	CP6000
Manufacturer	Kontron
Instrument Type	6U CompactPCI CPU blade
Specifications	
PARAMETER	VALUE
Series	CP6000
Alias	CP 6000
Form Factor	6U CompactPCI 4HP
Specifications	
PARAMETER	VALUE
CPU	Intel PentiumMup to 1.8 GHz or CeleronM FSB: 400 MHz
Package	479 pin uFCBGA
L2 Cache	512 kB to 2048 kB on die at CPU speed
Specifications	
PARAMETER	VALUE
Chipset	Intel 855GME and 6300ESB
DRAM	up to 2 GB ECC DDR PC333, 2x 200 pin SODIMM
Graphics	855GME internal, 64 MB shared
Specifications	
PARAMETER	VALUE
Ethernet	4x GbE, 2 front, 2 rear PICMG 2.16
PMC	1 slot 64 bit 66 MHz 3.3 V
Rear IO	J3, J4, J5

Specifications

PARAMETER	VALUE
IPMI	v1.5
CompactPCI	PICMG 2.0 R 3.0
Packet Switch	PICMG 2.16

Specifications

PARAMETER	VALUE
HDD	onboard 2.5 inch
CompactFlash	yes, simultaneous with HDD
Power 1.1 1.4 GHz	max 22 W

Specifications

PARAMETER	VALUE
Power 1.6 1.8 GHz	max 39 W
Slot Role	system or peripheral
Hot Swap	full

Specifications

PARAMETER	VALUE
Status	legacy
Pentium M 1.1 GHz	LV 1024 kB L2
Pentium M 1.8 GHz	745 2048 kB L2

Celeron M 1.3 GHz: 512 kB L2

LV Cooling: 1.1/1.4 GHz passive cooling path

Notes

Specs from Kontron CP6000 product page and CP6000 PentiumMPICMG 2.16 manual. Confirm CPU SKU, RAM, PMC population, and 2.16 Ethernet routing.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.