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Data Sheet

August 13, 2026

KONTRON

Kontron CP6011 Dual PMC Compact PCI CPU

Kontron CP6011 Dual PMC 6U CompactPCI PentiumM CPU The Kontron CP6011 is a 6U 4HP CompactPCI system/peripheral/satellite CPU with Intel Pentium M (1.1 to 2.0 GHz) or LV Pentium M (1.1/1.4 GHz). Chipset Intel E7501 plus ICH3-S. FSB 400/533 MHz. Up to 2 GB DDR PC333 on two 200-pin SODIMMs, dual-channel. Two PMC slots: slot A 64-bit/133 MHz PCI-X with PIM; slot B 64-bit/66-100 MHz PCI-X; both 3.3 V and 5 V. Dual Gigabit Ethernet PICMG 2.16 on rear plus 10/100 Fast Ethernet on front. ATI MobilityMgraphics 4 MB, up to 1600×1200×16. Front 4HP: COM, Ethernet, USB, two PMC, LEDs, Reset. IPMI 1.5. Universal PCI-X bridge for system, peripheral, or satellite mode up to 133 MHz. Power typically 40 W at 1.1 GHz. The Kontron CP6011 is a 6U 4HP CompactPCI system/peripheral/satellite CPU with Intel Pentium M (1.1 to 2.0 GHz) or LV Pentium M (1.1/1.4 GHz). Chipset Intel E7501 plus ICH3-S. FSB 400/533 MHz. Up to 2 GB DDR PC333 on two 200-pin SODIMMs, dual-channel. Two PMC slots: slot A 64-bit/133 MHz PCI-X with PIM; slot B 64-bit/66-100 MHz PCI-X; both 3.3 V and 5 V. Dual Gigabit Ethernet PICMG 2.16 on rear plus 10/100 Fast Ethernet on front. ATI MobilityMgraphics 4 MB, up to 1600×1200×16. Front 4HP: COM, Ethernet, USB, two PMC, LEDs, Reset. IPMI 1.5. Universal PCI-X bridge for system, peripheral, or satellite mode up to 133 MHz. Power typically 40 W at 1.1 GHz. VoIP, video-on-demand, telecom Co



MODEL

Kontron CP6011

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

CP6011

LISTING

<https://aumictechlabs.com/products/cp6011-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kontron CP6011 is a 4HP CompactPCI dual PMC CPU board built around Intel Pentium M processors for embedded computing in telecommunications, datacom, medical, industrial, and military applications. This legacy product delivers dual-channel DDR memory architecture, dual Gigabit Ethernet connectivity, and PCI-X bus support up to 133 MHz with 1 GB/s theoretical throughput. Its dual PMC slots enable flexible I/O expansion while maintaining full hot-swap capability per PICMG 2.1 Rev 2.0. Technical Specifications Processor: Intel Pentium M at 1.1 GHz, 1.6 GHz, 1.8 GHz, or 2.0 GHz; Low Voltage variants available up to 1.4 GHz Front Side Bus: 400 MHz or 533 MHz Chipset: Intel E7501 (Pluma MCH) with Intel ICH3-S south bridge Memory: Up to 2 GB DDR DRAM in dual-channel configuration; 2 × 200-pin SODIMM sockets; Registered/ECC support; 400 MHz / 533 MHz operation BIOS: 1 MB field-upgradable Storage: CompactFlash socket Graphics: Integrated ATI Mobility-M with 4 MB video memory CompactPCI Interface: PCI-X Universal bridge; 133 MHz operation; PICMG 2.0/2.1/2.9/2.10/2.16 compliance Key Features Dual PMC slots: Slot A (64-bit/133 MHz PCI-X with PMC I/O Module support); Slot B (64-bit/66 MHz PCI-X) Dual Gigabit Ethernet ports on rear (PICMG 2.16); single Fast Ethernet (10/100Base-TX) on front Full hot-swap capability via PICMG 2.1 Rev 2.0 IPMI 1.5 compliant Watchdog timer and hardware monitor included 1 × COM port; 1 × USB port Rear Transition Module (RTM) support for PMC I/O signal access Ultra160/320 SCSI and additional Gigabit Ethernet via Kontron PMC expansion cards Typical Applications Telecommunications infrastructure, datacom systems, medical imaging and monitoring, industrial control, and military-grade embedded systems requiring field-upgradable memory and modular I/O expansion. Compatibility & Integration Complies with PICMG hot-swap standards and supports system, peripheral, or satellite mode operation on the cPCI backplane. Interoperates with Kontron PMC cards for SCSI and additional Gigabit Ethernet functionality.

CP6011 Characteristics / Specifications

PARAMETER	VALUE
Model	CP6011
Manufacturer	Kontron
Instrument Type	6U CompactPCI Dual PMC CPU
Series	CP6011
Alias	CP 6011; T6011
Form Factor	6U CompactPCI 4HP
CPU	Intel PentiumMup to 2.0 GHz
CPU LV	LV Pentium M 1.1 / 1.4 GHz
FSB	400 / 533 MHz
Chipset	Intel E7501 and ICH3-S
DRAM	up to 2 GB DDR PC333 two 200 pin SODIMM
Ethernet Rear	two GbE PICMG 2.16
Ethernet Front	one 10/100Base-TX
PMC Slot A	64 bit / 133 MHz PCI-X with PIM
PMC Slot B	64 bit / 66 to 100 MHz PCI-X
PMC Signaling	3.3 V and 5 V
Graphics	ATI Mobility M 4 MB
Graphics Resolution	up to 1600 × 1200 × 16 bit
Front IO	1x COM, 1x Ethernet, 1x USB, 2x PMC, LEDs, Reset
IPMI	v1.5
Bridge	PCI-X universal system / peripheral / satellite to 133 MHz
Power 1.1 GHz	max 40 W
CompactFlash	onboard class
HDD Option	optional 2.5 inch
Rear IO	yes

PARAMETER	VALUE
Slot Role	universal
Status	legacy
Cooling	4HP single slot
OS Class	Windows / Linux BSP era PentiumM Related: CP6000 is 855GME single PMC PentiumMsibling Notes Specs from Kontron CP6011 product page (PentiumMto 2.0 GHz, E7501, 2 GB DDR, dual PMC 64/133 and 64/100, 2x GbE 2.16). Confirm CPU SKU, RAM, and PMC population.

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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Model	CP6011
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Series	CP6011
Alias	CP 6011; T6011
Form Factor	6U CompactPCI 4HP
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PARAMETER	VALUE
CPU	Intel PentiumMup to 2.0 GHz
CPU LV	LV Pentium M 1.1 / 1.4 GHz
FSB	400 / 533 MHz
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Chipset	Intel E7501 and ICH3-S
DRAM	up to 2 GB DDR PC333 two 200 pin SODIMM
Ethernet Rear	two GbE PICMG 2.16
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PARAMETER	VALUE
Ethernet Front	one 10/100Base-TX
PMC Slot A	64 bit / 133 MHz PCI-X with PIM
PMC Slot B	64 bit / 66 to 100 MHz PCI-X

Specifications

PARAMETER	VALUE
PMC Signaling	3.3 V and 5 V
Graphics	ATI Mobility M 4 MB
Graphics Resolution	up to 1600 x 1200 x 16 bit

Specifications

PARAMETER	VALUE
Front IO	1x COM, 1x Ethernet, 1x USB, 2x PMC, LEDs, Reset
IPMI	v1.5
Bridge	PCI-X universal system / peripheral / satellite to 133 MHz

Specifications

PARAMETER	VALUE
Power 1.1 GHz	max 40 W
CompactFlash	onboard class
HDD Option	optional 2.5 inch

Specifications

PARAMETER	VALUE
Rear IO	yes
Slot Role	universal
Status	legacy

Cooling: 4HP single slot

OS Class: Windows / Linux BSP era PentiumM Related: CP6000 is 855GME single PMC PentiumMsibling

Notes

Specs from Kontron CP6011 product page (PentiumMto 2.0 GHz, E7501, 2 GB DDR, dual PMC 64/133 and 64/100, 2x GbE 2.16). Confirm CPU SKU, RAM, and PMC population.

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