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Data Sheet

August 13, 2026

KONTRON

Kontron CP3002 Intel Core i7 3U CompactPCI Board

Kontron CP3002 3U CompactPCI Core i7 CPU Board The Kontron CP3002 is a 3U 4HP CompactPCI system-controller board, optionally 8HP, front-I/O or rear-I/O. It supports Intel Core i7-610E (2.53 GHz), i7-620LE (2.0 GHz), i7-660UE (1.33 GHz) and Celeron U3405 (1.07 GHz) with the mobile Intel QM57 Express chipset. Core i7 parts: 64 kB L1, 256 kB L2, 4 MB L3; Celeron U3405: 2 MB L3. 32 nm BGA. Up to 8 GB dual-channel DDR3 ECC at 1066 MHz. Two x8 PCI Express 2.0 at 2.5 GT/s. Integrated 2D/3D graphics. SATA onboard plus chipset SATA. Hyper-Threading, Intel 64, Turbo Boost, Intelligent Power Sharing on Core i7. DMI and FDI to QM57. The Kontron CP3002 is a 3U 4HP CompactPCI system-controller board, optionally 8HP, front-I/O or rear-I/O. It supports Intel Core i7-610E (2.53 GHz), i7-620LE (2.0 GHz), i7-660UE (1.33 GHz) and Celeron U3405 (1.07 GHz) with the mobile Intel QM57 Express chipset. Core i7 parts: 64 kB L1, 256 kB L2, 4 MB L3; Celeron U3405: 2 MB L3. 32 nm BGA. Up to 8 GB dual-channel DDR3 ECC at 1066 MHz. Two x8 PCI Express 2.0 at 2.5 GT/s. Integrated 2D/3D graphics. SATA onboard plus chipset SATA. Hyper-Threading, Intel 64, Turbo Boost, Intelligent Power Sharing on Core i7. DMI and FDI to QM57. Form Factor: 3U CompactPCI 4HP, optional 8HP



MODEL

Kontron CP3002

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

CP3002

LISTING

<https://aumictechlabs.com/products/cp3002-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kontron CP3002 is a 3U CompactPCI single board computer engineered for embedded applications in industrial, transportation, and defense environments. Built on the Mobile Intel QM57 Express Platform Controller Hub, it delivers Intel Core i7 processing with Turbo Boost and Hyper-Threading support, integrated graphics, and configurable memory up to 8 GB DDR3 with ECC. The board operates at 31W power consumption (2.0 GHz LV, 4HP version) and supports multiple storage options including onboard NAND Flash (up to 32 GB) and CFast or 2.5-inch SATA interfaces via extension modules. Technical Specifications Processor Options Intel Core i7-610E (up to 2.53 GHz) Intel Core i7-620LE (2.0 GHz) Intel Core i7-660UE (ULV) Intel Celeron U3405 (ULV) or 1.07 GHz variants Turbo Boost and Hyper-Threading enabled Memory & Storage DDR3 SDRAM up to 8 GB at 1066 MHz with ECC support Two SODIMM sockets (CP3002) or soldered memory (CP3002-RC/-RA) Onboard SATA NAND Flash: 16 GB or 32 GB CFast socket and 2.5-inch SATA HDD/SSD support via 8HP extension module Connectivity 2x Gigabit Ethernet (front panel); up to 4x GbE total 2x USB 2.0 (front); up to 6x USB 2.0 rear 1x VGA; 1x DVI (with mezzanine card) Up to 6x SATA interfaces Up to 2x COM ports (RS-232) plus onboard serial headers GPIO support Form Factor 3U CompactPCI with PCI Passive and Peripheral Mode support VITA 47 compliance (CP3002-RC/-RA) for temperature, shock, vibration Key Features Integrated graphics core with doubled 3D/video performance over previous platforms Optional Trusted Platform Module (TPM) for enhanced security Wake-On-LAN support Reset button and status LEDs Typical Applications Industrial automation, transportation systems, defense applications, and embedded deployments requiring extended I/O and thermal stability. Compatibility & Integration Supported operating systems: Linux, VxWorks, Wind River Linux, Windows XP, Windows 7, Windows Embedded Standard 7, Windows Server 2003/2008, QNX. Board support packages available for each OS.

CP3002 Characteristics / Specifications

PARAMETER	VALUE
Model	CP3002
Manufacturer	Kontron
Instrument Type	3U CompactPCI CPU board
Series	CP3002
Alias	CP 3002
Form Factor	3U CompactPCI 4HP, optional 8HP
Chipset	Intel QM57 Express
CPU i7 610E	2.53 GHz, 4 MB L3, SV
CPU i7 620LE	2.0 GHz, 4 MB L3, LV
CPU i7 660UE	1.33 GHz, 4 MB L3, ULV
CPU Celeron U34	1.07 GHz, 2 MB L3, ULV
L1 Cache	64 kB
L2 Cache	256 kB (Core i7)
Process	32 nm BGA
Cores	two execution cores
Hyper Threading	Core i7
Intel	yes
Turbo Boost	Core i7
Memory	up to 8 GB dual channel DDR3 ECC 1066 MHz
PCIe	two x8 PCI Express 2.0 at 2.5 GT/s
Graphics	integrated 2D and 3D
SATA	onboard SATA connector plus chipset ports
IO Version	front I/O or rear I/O
Width	4HP standard, 8HP optional
Role	CompactPCI system controller

PARAMETER	VALUE
Manual	CP3002 User Guide Rev 2.0 (1042-9252)
Chipset Link	DMI and FDI to QM57
Status	industrial 3U cPCI
Confirm CPU	read SKU on heatsink/BIOS
Confirm RAM	installed SODIMM/soldered build
Companion	8HP I/O/storage mezzanine when fitted Notes Specs from Kontron CP3002 User Guide Rev 2.0. Confirm i7-610E versus 620LE/660UE/U3405, 4HP versus 8HP, and front versus rear I/O.

CP3002 Specifications

PARAMETER	VALUE
Kontron CP3002 3U CompactPCI Core i7 CPU Board	Overview
Applications	3U CompactPCI system controller
Front or rear I/O system builds	ECC DDR3 industrial computing
Key Features	Core i7 / Celeron ULV 32 nm + QM57
Up to 8 GB DDR3 ECC 1066 MHz	4HP, expandable 8HP
Technical Specifications	Model: CP3002
Notes	Specs from Kontron CP3002 User Guide Rev 2.0. Confirm i7-610E versus 620LE/660UE/U3405, 4HP versus 8HP, and front versus rear I/O.

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	CP3002
Manufacturer	Kontron
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Specifications	
PARAMETER	VALUE
Series	CP3002
Alias	CP 3002
Form Factor	3U CompactPCI 4HP, optional 8HP
Specifications	
PARAMETER	VALUE
Chipset	Intel QM57 Express
CPU i7 610E	2.53 GHz, 4 MB L3, SV
CPU i7 620LE	2.0 GHz, 4 MB L3, LV
Specifications	
PARAMETER	VALUE
CPU i7 660UE	1.33 GHz, 4 MB L3, ULV
CPU Celeron U3405	1.07 GHz, 2 MB L3, ULV
L1 Cache	64 kB
Specifications	
PARAMETER	VALUE
L2 Cache	256 kB (Core i7)
Process	32 nm BGA
Cores	two execution cores

Specifications

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Hyper Threading	Core i7
Intel 64	yes
Turbo Boost	Core i7

Specifications

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Memory	up to 8 GB dual channel DDR3 ECC 1066 MHz
PCIe	two x8 PCI Express 2.0 at 2.5 GT/s
Graphics	integrated 2D and 3D

Specifications

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SATA	onboard SATA connector plus chipset ports
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Notes

Specs from Kontron CP3002 User Guide Rev 2.0. Confirm i7-610E versus 620LE/660UE/U3405, 4HP versus 8HP, and front versus rear I/O.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.