

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KONTRON / TEKNOR APPLICOM

Kontron / Teknor Applicom cPCI-MXS64 6U CompactPCI 64-Bit System Processor

The Kontron/Teknor Applicom cPCI-MXS64 is a 6U CompactPCI 64-bit system processor board designed for high-availability industrial and embedded applications requiring performance. This single-slot, passively cooled, hot-swappable unit integrates into CompactPCI systems and targets datacom, telecom, and industrial imaging deployments - including CTI servers, VoIP equipment, and intelligent network switches. Aumictech offers NIST-traceable calibration and repair for the Kontron / Teknor Applicom cPCI-MXS64. Calibration covers analog input channel accuracy and offset at all gain settings, analog output accuracy, digital I/O logic threshold verification, sample rate and timing accuracy, and trigger and synchronization bus functional verification. NI CompactRIO and PXI chassis also undergo backplane trigger line integrity check.. All calibrations ship with a NIST-traceable certificate. Turnar

**MODEL****Kontron / Teknor
Applicom cPCI-
MXS64****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****cPCI-MXS64****LISTING**<https://aumictechlabs.com/products/cpci-mxs64-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Kontron/Teknor Applicom cPCI-MXS64 is a 6U CompactPCI 64-bit system processor board designed for high-availability industrial and embedded applications requiring performance. This single-slot, passively cooled, hot-swappable unit integrates into CompactPCI systems and targets datacom, telecom, and industrial imaging deployments - including CTI servers, VoIP equipment, and intelligent network switches.

Technical Specifications

Processor & Memory Intel Pentium III Low Power: 400 MHz or 500 MHz Front Side Bus: 100 MHz L2 Cache: 256 KB on-die Chipset: Intel 440BX AGPset SDRAM: up to 768 MB via three 168-pin DIMM sockets

Bus & Storage 64-bit PCI bus with PCI-to-PCI transparent bridge PICMG 2.0 Rev 3.0 compliant CompactPCI connectors Dual-channel PCI Bus Master EIDE; four IDE Type 4 drives maximum Optional bootable CompactFlash interface

Power Supply: 3.3V @ 4.5A max, 5V @ 3.5A max, 12V @ 0.1A max

Dissipation: 40 W maximum

Key Features Hot-swappable design with passive cooling IPMI controller for remote management Ultra Wide LVD SCSI-2 LVDS: 16-bit, 80 MB/s Dual 10/100Base-TX Ethernet ports (Intel 82559) 64-bit AGP CRT SVGA video controller with 2 MB VRAM

Four serial ports: three RS-232 (COM1, COM2, COM4); COM3 configurable Two USB ports Bi-directional parallel port: SPP, EPP, ECP modes Floppy disk support: 360 KB to 1.44 MB, two drives PMC mezzanine support; optional cMC series HD/FD mezzanine card

Typical Applications CTI and VoIP servers, broadband data switches, intelligent network appliances, and industrial imaging systems requiring low-power, high-reliability processor modules.

Compatibility & Integration 4HP single-slot form factor in 6U CompactPCI. Front I/O includes video, serial, and dual Ethernet on faceplate. Rear I/O options available. PICMG 2.0 Rev 3.0 compliant.

CPCIMXS64 Characteristics / Specifications

PARAMETER	VALUE
Model	CPCI-MXS64
Manufacturer	Kontron
Instrument Type	CompactPCI CPU board
Series	CPCI-MXS64
Alias	CPCI MXS64; MXS64
CPU	Mobile Pentium II or III
North Bridge	chipset north bridge
PCI Bridge	21154 PCI to PCI
ISA IDE	82371AB PIIX4
Memory	SDRAM DIMM
Firmware	BIOS with VT100 mode
Watchdog	yes
Thermal Management	yes
Power Fail Monitor	yes
Hot Swap	HA signals
Ethernet	Ethernet 1 and 2 (J15/J16)
SCSI	SCSI interface on J4 class
Video	video interface
IDE	IDE 0 and IDE 1
USB	USB 0 and USB 1
Floppy	floppy disk interface
Serial	serial ports 1 to 4
Parallel	parallel port
Keyboard Mouse	PS/2 J17
CompactFlash	J18

PARAMETER	VALUE
Storage Mezzanine	J19
Mezzanine PCI	J14
CPCI Connectors	J1 J2 J3 J4 J5
Hot Swap Switch	S1
Battery	backup battery
Fan	processor fan
Form	CompactPCI CPU with rear I/O
Status	legacy
Confirm CPU	Pentium II versus III and clock
Confirm RAM	DIMM size
Confirm Mezzanines	SCSI/storage/CF population IR: IR serial path on J3 class
Power Management	J4 power-management signals Notes Specs from Kontron CPCI-MXS64 product manual outline (Mobile Pentium II/III, 21154, PII X4, J1-J5 I/O map). Confirm CPU generation, DIMM, and stuffed mezzanines/Ethernet/SCSI on the unit.

CPCIMXS64 Specifications

PARAMETER	VALUE
Applications	6U CompactPCI system controller (J1-J5)
Mobile Pentium II / III	21154 PCI bridge + PIIX4 IDE
Technical Specifications	Model: CPCI-MXS64

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	CPCI-MXS64
Manufacturer	Kontron
Instrument Type	CompactPCI CPU board
Specifications	
PARAMETER	VALUE
Series	CPCI-MXS64
Alias	CPCI MXS64; MXS64
CPU	Mobile Pentium II or III
Specifications	
PARAMETER	VALUE
North Bridge	chipset north bridge
PCI Bridge	21154 PCI to PCI
ISA IDE	82371AB PIIX4
Specifications	
PARAMETER	VALUE
Memory	SDRAM DIMM
Firmware	BIOS with VT100 mode
Watchdog	yes
Specifications	
PARAMETER	VALUE
Thermal Management	yes
Power Fail Monitor	yes
Hot Swap	HA signals

Specifications

PARAMETER	VALUE
Ethernet	Ethernet 1 and 2 (J15/J16)
SCSI	SCSI interface on J4 class
Video	video interface

Specifications

PARAMETER	VALUE
IDE	IDE 0 and IDE 1
USB	USB 0 and USB 1
Floppy	floppy disk interface

Specifications

PARAMETER	VALUE
Serial	serial ports 1 to 4
Parallel	parallel port
Keyboard Mouse	PS/2 J17

Specifications

PARAMETER	VALUE
CompactFlash	J18
Storage Mezzanine	J19
Mezzanine PCI	J14

Specifications

PARAMETER	VALUE
CPCI Connectors	J1 J2 J3 J4 J5
Hot Swap Switch	S1
Battery	backup battery

Specifications

PARAMETER	VALUE
Fan	processor fan
Form	CompactPCI CPU with rear I/O
Status	legacy

Specifications

PARAMETER	VALUE
Confirm CPU	Pentium II versus III and clock
Confirm RAM	DIMM size
Confirm Mezzanines	SCSI/storage/CF population

IR: IR serial path on J3 class

Power Management: J4 power-management signals

Notes

Specs from Kontron CPCI-MXS64 product manual outline (Mobile Pentium II/III, 21154, PIIX4, J1-J5 I/O map).
Confirm CPU generation, DIMM, and stuffed mezzanines/Ethernet/SCSI 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

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.