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**Data Sheet**

August 15, 2026

ADLINK

## Adlink cPCI-6770/P7 NuIPC CPU Module

Adlink Embedded Test Systems. Frequency Range: 100 MHz (front-side bus), Voltage / Current Range: 12 V (monitored supplies), 3.3 V, 5 V.



MODEL

**Adlink cPCI-6770/P7**

CALIBRATION

**Available on request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**cPCI-6770/P7**

LISTING

<https://aumictechlabs.com/products/cpci-6770-p7-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

### This unit

The Adlink cPCI-6770/P7 is a 6U CompactPCI CPU module purpose-built for industrial embedded systems requiring compact processor integration without external I/O transition boards. It combines an Intel Low Power BGA2 Pentium III processor with integrated front-panel I/O, onboard storage interfaces, and comprehensive system monitoring in a single-slot (4HP) form factor.

**Technical Specifications**

**Processor & Memory** Intel Low Power BGA2 Pentium III CPU 100 MHz front-side bus (FSB) Two 144-pin SODIMM sockets supporting up to 512 MB SDRAM

**Storage** Integrated 2.5-inch low-profile HDD housing Removable CompactFlash Type-II socket adapter capability IDE interface: UDMA-33, dual channels

**Graphics** ATI Mobility Radeon M6 controller with 8 MB VRAM AGP VGA output via DB-15 connector

**I/O Interfaces** Serial: COM1 (RS-232, DB-9), COM2 (RS-232/422/485, RJ-45) Ethernet: One 10/100Base-TX port via Intel 82559 controller (RJ-45) USB 1.1 (single port) Parallel port (26-pin connector) PS/2 keyboard and mouse combo port FDD support (34-pin and slim connectors) One PMC (PCI Mezzanine Card) socket for functional expansion

**System Management** Software-programmable watchdog timer (1-255 seconds or 1-

255 minutes) with system reset generation Hardware monitoring: CPU temperature, fan speed, system temperature, Vcore, and DC voltages (3.3 V, 5 V, 12 V) Real-time clock with 256 bytes battery-backed CMOS RAM, alarm function, maskable periodic interrupt, and 100-year calendar Power controller with PICMG 2.1 hot-swap compliance and supply voltage monitoring Physical Form factor: 6U CompactPCI, 233 mm (length) × 160 mm (width), 1 slot (4HP) Environmental Operating temperature: 0°C to 55°C Storage temperature: -20°C to 80°C Shock: 15 G peak-to-peak, 11 ms duration (non-operation) Vibration (non-operation): 1.88 Grms, 5-500 HzKey Features Integrated front-panel I/O eliminates external transition modules PCI bridges support up to seven peripherals in a single system Dual-channel UDMA-33 IDE supports both hard drives and CompactFlash expansion CompactPCI hot-swap capable with power ramp compliance Comprehensive on-board temperature and voltage monitoring Battery-backed real-time clock for timekeepingTypical Applications Industrial control systems, field-deployed embedded platforms, compact data acquisition, and distributed processing where single-slot processor integration is required.Compatibility & Integration The PMC slot enables functional expansion through compatible mezzanine modules. Standard CompactPCI backplane integration supports up to seven additional peripherals. IDE and CompactFlash interfaces provide flexible mass storage options without dedicated controller modules.

## CPCI6770P7 Characteristics / Specifications

| PARAMETER             | VALUE                                       |
|-----------------------|---------------------------------------------|
| Model                 | cPCI-6770                                   |
| Instrument Type       | 6U CompactPCI CPU module                    |
| Form Factor           | 6U CompactPCI 233.35 mm by 160 mm           |
| Slot Width            | single slot 4TE                             |
| Cpu                   | mobile Intel Pentium III BGA2               |
| Cpu Speeds            | 700 MHz or 850 MHz                          |
| Front Side Bus        | 100 MHz                                     |
| L2 Cache              | 256 KB on die full speed                    |
| Chipset               | Intel 440BX with PIIX4E                     |
| Memory Sockets        | two 144 pin SODIMM                          |
| Memory Maximum        | 512 MB PC-100 SDRAM                         |
| Graphics              | ATI Mobility Radeon M6-M AGP 4x with 8 MB   |
| Ethernet              | Intel 82559 10/100 Mbps                     |
| Pmc Sites             | 1 onboard PMC                               |
| Ide                   | dual channel EIDE with 2.5 inch HDD support |
| Serial Ports          | 2 COM one RS232 one RS232/422/485           |
| Usb                   | USB ports onboard                           |
| Compactpci Compliance | PICMG 2.0 Rev 3.0                           |
| Hot Swap Compliance   | PICMG 2.1 Rev 1.0                           |
| Pci Bridge            | TI PCI2050 driving up to 7 peripherals      |
| Power Piii700 Typical | about 37.7 W with 128 MB                    |
| Power Piii850 Typical | about 51.3 W with 512 MB                    |
| Operating Temperature | 0 C to 55 C with forced air at least 1 m/s  |
| Storage Temperature   | minus 20 C to 80 C                          |
| Configuration Example | cPCI-6770/P7 Pentium III 700                |

# CPCI6770P7 Specifications

| PARAMETER                           | VALUE                             |
|-------------------------------------|-----------------------------------|
| Key Features                        | Mobile Pentium III 700 or 850 MHz |
| Single slot 4TE 6U CompactPCI       | Up to 512 MB SODIMM SDRAM         |
| Onboard PMC site and 82559 Ethernet | PICMG 2.1 hot swap compliant      |
| Technical Specifications            | Model: cPCI-6770                  |

## General Specifications & Supplementary Characteristics

| PARAMETER             | VALUE                                                                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Storage temperature   | minus 20 C to 80 C                                                                                                                                                                    |
| Operating temperature | 0 C to 55 C with forced air at least 1 m/s                                                                                                                                            |
| Operating Temperature | 0 C to 55 C with forced air at least 1 m/s                                                                                                                                            |
| Configuration Example | cPCI-6770/P7 Pentium III 700 Notes Numeric rows from ADLINK cPCI-6770 series user manual electrical and mechanical specifications. /P7 denotes the 700 MHz Pentium III configuration. |

# 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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| Cpu Speeds            | 700 MHz or 850 MHz                          |
| Front Side Bus        | 100 MHz                                     |
| L2 Cache              | 256 KB on die full speed                    |
| Chipset               | Intel 440BX with PIIX4E                     |
| Memory Sockets        | two 144 pin SODIMM                          |
| Memory Maximum        | 512 MB PC-100 SDRAM                         |
| Graphics              | ATI Mobility Radeon M6-M AGP 4x with 8 MB   |
| Ethernet              | Intel 82559 10/100 Mbps                     |
| Pmc Sites             | 1 onboard PMC                               |
| Ide                   | dual channel EIDE with 2.5 inch HDD support |
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| Usb                   | USB ports onboard                           |
| Compactpci Compliance | PICMG 2.0 Rev 3.0                           |
| Hot Swap Compliance   | PICMG 2.1 Rev 1.0                           |
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| Configuration Example | cPCI-6770/P7 Pentium III 700                |

#### Notes

Numeric rows from ADLINK cPCI-6770 series user manual electrical and mechanical specifications. /P7 denotes the 700 MHz Pentium III configuration.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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

NIST-traceable calibration · SAM registered ·  
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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.