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Data Sheet

August 15, 2026

CONCURRENT TECHNOLOGIES

Concurrent Technologies PP 412/03x cPCI Intelligent Dual PMC Carrier

The Concurrent Technologies PP 412/03x is an intelligent dual PMC carrier built on the CompactPCI form factor. It accommodates two PMC (PCI Mezzanine Card) modules with one site also supporting XMC modules via x8 PCI Express. Powered by Intel Core 2 Duo processors and the E7520 server-class chipset, this board delivers computing in rugged industrial, telecom, aerospace, and scientific applications. It operates in system, peripheral, or independent slots within a CompactPCI backplane and provides a direct upgrade path for legacy Concurrent Technologies boards including the PP 410/03x, PP 312/01x, PP 310/01x, and PP 110/01x. Processor: Intel Core 2 Duo (multiple speed grades available, including 2.16 GHz T7400 and 1.5 GHz L7400) Mezzanine Interfaces: 2 × PMC (IEEE 1386.1); one PMC site supports XMC modules (x8 PCI Express) Storage: SATA and EIDE interfaces; on-board CompactFlash support



MODEL

Concurrent Technologies PP 412/03x

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PP 412/03x

LISTING

<https://aumictechlabs.com/products/pp-412-03x-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

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Technical Specifications

Processor: Intel Core 2 Duo (multiple speed grades available, including 2.16 GHz T7400 and 1.5 GHz L7400) **Chipset:** Intel E7520 server-class **Memory:** Up to 4 Gbytes dual-channel DDR2-400 ECC SDRAM **Mezzanine Interfaces:** 2 × PMC (IEEE 1386.1); one PMC site supports XMC modules (x8 PCI Express) **Storage:** SATA and EIDE interfaces; on-board CompactFlash support; optional Hitachi GST MicroDrive and disk drive **Networking:** 3 × Gigabit Ethernet (10/100/1000 Mbps) via Intel 82573L controllers; PICMG 2.16 compliant Gigabit Packet Switching **Backplane USB:** 4 × USB 2.0 interfaces (1 front panel, up to 3 via optional RTMs) **Front Panel:** Graphics, keyboard, mouse interfaces; PC-AT peripheral support **IPMI:** PICMG 2.9 compliant for full system monitoring **Key Features** Low-power processor operation; CPU fan typically unnecessary Flexible mezzanine expansion via PMC and XMC support Multiple Rear Transition Module (RTM) options providing Ethernet, SATA, floppy, serial, audio, and additional USB connectivity On-board mass storage carrier assemblies for CompactFlash and 2.5-inch hard disk drives Triple Gigabit Ethernet for high-bandwidth networking **Typical Applications** Industrial control, telecommunications, telemetry, scientific instrumentation, and aerospace systems requiring flexible I/O expansion and multi-gigabit networking. **Compatibility & Integration** Standards compliance: PICMG 2.16, PICMG 2.9, IEEE 1386.1. Direct replacement upgrade for PP 410/03x, PP 312/01x, PP 310/01x, and PP 110/01x installations.

PP41203X Characteristics / Specifications

PARAMETER	VALUE
Model	PP 412/03x
Base Model	PP 412
Instrument Type	CompactPCI intelligent dual PMC carrier
Form Factor	CompactPCI
Pmc Sites	two PMC mezzanines
Mezzanine Standard	IEEE 1386.1 PMC
Slot Role	CompactPCI system or peripheral slot class
Manufacturer	Concurrent Technologies
Use Case	dual PMC carrier
Literature	Concurrent Technologies PP 412/03x listings
Family	Concurrent PP 412 cPCI carriers
Documentation Type	OEM PP 412 listing
Brand Lineage	Concurrent Technologies
System Role	intelligent dual PMC carrier
Bus	CompactPCI
Application Class	embedded PMC I/O
Operating Temperature Class	commercial cPCI
Year Class	PP 412 family
Vendor Path	Concurrent Technologies
Documentation Class	OEM cPCI catalog
Control Class	on-board intelligence for PMC I/O
Companion Role	PMC networking/databus/FPGA host
Card Format	6U CompactPCI class carrier
Configuration Class	03x build of PP 412
I/O Class	dual PMC

PARAMETER	VALUE
Operating temperature	Class: commercial cPCI

PP41203X Specifications

PARAMETER	VALUE
Intelligent carrier	Two IEEE 1386.1 PMC sites
cPCI system/peripheral slot	PP 412/03x configuration
Technical Specifications	Model: PP 412/03x

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: commercial cPCI
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Year Class	PP 412 family
Vendor Path	Concurrent Technologies
Documentation Class	OEM cPCI catalog
Control Class	on-board intelligence for PMC I/O
Companion Role	PMC networking/databus/FPGA host
Card Format	6U CompactPCI class carrier
Configuration Class	03x build of PP 412
I/O Class	dual PMC Notes From Concurrent Technologies PP 412/03x listings (cPCI intelligent dual PMC carrier). CPU type, PCI-X speed, and rear I/O map are on the PP 412 hardware reference / 03x 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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Notes

From Concurrent Technologies PP 412/03x listings (cPCI intelligent dual PMC carrier). CPU type, PCI-X speed, and rear I/O map are on the PP 412 hardware reference / 03x configuration.

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.