



3U CompactPCI Express CPU



- 3U CompactPCI Express CPU board with Pentium M 2.0GHz processor
- 1GB soldered DRAM

- 2.5" SATA HD carrier
- Six USB 2.0 ports

- Dual Gig Ethernet interfaces
- 8HP

TECHNICAL SPECIFICATIONS

3U CompactPCI Express CPU

Form Factor	3U (100x160 mm) x 4HP
Processor	2.0 GHz Socket mPGA479M Intel Pentium, M (760) with up to 533 MHz FSB, 2 MByte L2 cache; active cooling
Memory	512 MB / 1 GB soldered 400 / 533 MHz, DDR-2 RAM. Additional 1 GB soldered (optional)
Phoenix Bios	Version 4.0 Release 6.1, Enhanced recovery feature, USB 2.0 (Hi-speed) legacy support, LAN (PXE), USB, Quiet, Multi and Quick Boot, ACPI 2.0
µLinux Firmware	Integrated µLinux firmware for diagnostics and advanced system recovery. Also for fast boot and Thin-OS applications.
Intel 915GM Host Bridge:	400 / 533 MHz Front-Side Bus (FSB), 400 / 533 MHz, 64-bit DDR2 DRAM, Intel Enhanced Speed-Stepping, Analog CRT DAC interface support, 24-bit RAMDAC support, Full H / W support of DirectX9, Up to 2048 x 1536 mode support, UXGA / WUXGA formats supported, Serial Digital Video Output (SDVO)
Gigabit Ethernet	Intel 82573 controller with Wake-On-LAN and ASF 2.0 support
ICH6-M Controller Hub	Four x1 PCI Express root ports, 2x 1.5 Gb / s Serial ATA (150 MB / s), One parallel ATA channel (ATA100), 8x USB 2.0 (480 Mb / s), Low Pin Count (LPC) Bus, System Management (SM) Bus, Support for AC '97 2.3 Codecs,
Additional	Reset, Thermal management, Speed stepping, Configurable watchdog timer, Lead-free manufacture, Micro Linux for serviceability, µC for diagnostics & logic control, Watchdog, Voltage / Current control, CPU health with data logging, Fan control, Up to 2 GByte uDOC Flash
General	Conformance: PICMG EXP.0 R1.0, MTBF: >220,000 hours @ 20°C, Mass: 220 g (4HP),
Rear I/O	Module dependent providing: Fast Ethernet (i82562), 4x 480 Mbit / s, USB 2.0, Serial ATA or EIDE channel (Master), LPC to Super I / O for, PS-2 Keyboard & Mouse, RS232 / RS485 COM1/COM2 ports, Floppy interface & LPT port
Full-size Extension (8HP):	2.5" serial or parallel ATA hard-disk, 3x front-panel USB 2.0 interfaces, RS232 configured COM 1 port, Additional gigabit Ethernet (i82573)
Inline Extension	1.8" hard-disk or CompactFlash
Software Support	Microsoft Windows® XP (Embedded), Windows® 2000, Linux (SUSE, Red Hat), Real-time OS (VxWorks, QNX)
Climatic Conditions	+5°C to +55°C (standard), -20°C to +60°C (optional), -40°C to + 75°C (storage), 5% to 95% r.h. non-condensing

