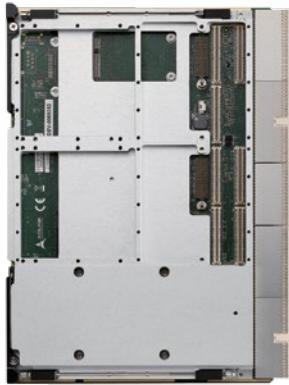


NEW



Features

- 22nm quad-core 4th generation Intel® Core™ i7/i5 processor with ECC
- 8GB DDR3L-1600 ECC soldered memory
- Two 64-bit/133MHz PMC sites with rear I/O
- Two PCI Express x8 XMC sites
- Configurable TDP

CompactPCI®

CONDUCTION COOLED

Specifications

Processor & System

CPU	<p>µFC-BGA quad-core Intel® Core™ i7-4700EQ processor, up to 3.4GHz, 6MB L3 cache, 47/37W (configurable TDP)</p> <p>µFC-BGA dual-core Intel® Core™ i5-4402E processor, 2.7GHz, 3MB L3 cache, 25W TDP</p>
Chipset	Intel® QM87 PCH Chipset
RAM	One channel DDR3L-1600 SDRAM with ECC, up to 8GB
BIOS	AMI EFI BIOS, 64Mb SPI flash memory
CompactPCI Bus	PCI 64-bit, 66MHz, 3.3V or 5V universal V(I/O)
PICMG standards	<p>PICMG 2.1 CompactPCI R3.0</p> <p>PICMG 2.1 Hot Swap R2.0</p> <p>PICMG 2.9 System Management R1.0</p> <p>PICMG 2.16 Packet Switching Backplane R1.0</p>

Connectivity

PMC/XMC	<p>Two PCI 64-bit/133MHz PMC sites with rear I/O (RTM)</p> <p>Two PCIe x8 XMC sites shared with PMC sites</p>
Ethernet	<p>Two PCIe Intel® I210 GbE controllers</p> <p>Two 10/100/1000BASE-T ports to J3 for PICMG 2.16 ports</p>
Graphics	<p>Integrated in processor with DirectX 11.1 and OCL1.2</p> <p>One VGA, eDP and DVI routed to rear</p> <p>Additional GPU supporting two DVI ports on RTM (cPCI-R6700 & cPCI-R6500)</p>
Rear I/O Signals	1x VGA, 1x DVI, 2x GbE, up to 6x USB 2.0 ports, 4x PCIe x4, 2x serial ports, 3x SATA 3Gb/s, PS/2 keyboard/mouse, audio

Storage

SBC	Onboard mSATA port
RTM	Available interfaces dependent on selected RTM model

Operating System

OS	<p>Microsoft Windows 7/8 32/64-bit</p> <p>Red Hat Enterprise Linux 6.4</p> <p>Fedora 18</p> <p>WindRiver VxWorks 6.9</p> <p>(Please contact ADLINK for other OS support)</p>
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Miscellaneous

LED	Power, WDT, Hot Swap, Disk Drive
Battery	Gold Capacitor onboard for RTC CMOS RAM
Watchdog Timer	System Reset and NMI, with programmable interval, 1-65535 seconds or minutes
Hardware Monitor	Monitors CPU temperature, system temperature, Vcore and DC voltage
TPM	Atmel TPM AT97SC3204 (by BOM option)

Mechanical & Environmental

Form Factor	6U 4HP CompactPCI
	233.33mm x 160mm (L x W)
	Equipped with J1, J2, J3, J4, J5 connectors
Operating Temperature	-40°C to +85°C (measured at wedge lock)
Storage Temperature	-50°C to +100°C (measured at wedge lock)
Relative Humidity	95% non-condensing
Shock	40G peak-to-peak, 11ms duration, non-operating
Vibration	20Grms random vibration, 5-500Hz, each axis, operating

Safety & EMI

Certifications	CE/FCC
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Ordering Information

Model Number	Description/Configuration
Processor Blades	
CT-6530/4700E/M4	Ruggedized conduction cooled 6U CompactPCI blade with Core™ i7 4700EQ up to 2.4GHz and 4GB DDR3L-1600 ECC soldered memory, dual PMC/XMC
CT-6530/4402E/M4	Ruggedized conduction cooled 6U CompactPCI blade with Core™ i5 4402E up to 2.7GHz and 4GB DDR3L-1600 ECC soldered memory, dual PMC/XMC
Rear Transition Modules	
cPCI-R6002	4HP Rear I/O module with GbE x2, COM x2, USB x3, SATA x2, DVI-I
cPCI-R6100	4HP Rear I/O module with GbE x4, COM, USB x4, SATA x2, DVI, VGA, PS/2, CF, SD socket
cPCI-R6200	8HP Rear I/O module with GbE x2, USB x6, SATA x3, DVI-I, Mic-In, line-out, PS/2 KB/MS, SAS x8
cPCI-R6700	4HP Rear I/O module with discrete GPU ATI/AMD E4690, DVI-I x2, GbE x2, USB x3, COM x2, SATA x3, onboard KB/MS header, audio header
cPCI-R6500	4HP Rear I/O module with AMD E6760 MXM module, DVI-I x2, GbE x2, USB x3, COM x2, SATA x3, onboard KB/MS header, audio header

Contact us for different CPU, memory combinations.
See 6U RTM selection guide for more options.