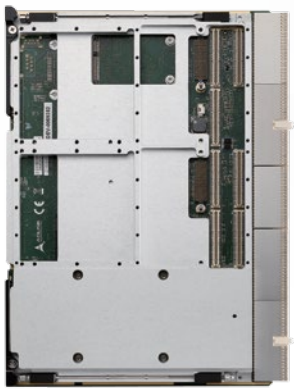
CT-6530

Rugged Conduction Cooled 6U CompactPCI Processor Blade with 4th Gen Intel® Core™ i7

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	µFC-BGA quad-core Intel® Core™ i7-4700EQ processor, up to 3.4GHz, 6MB L3 cache, 47/37W (configurable TDP)
	µFC-BGA dual-core Intel® Core™ i5-4402E processor, 2.7GHz, 3MB L3 cache, 25W TDP
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	PICMG 2.1 CompactPCI R3.0
	PICMG 2.1 Hot Swap R2.0
	PICMG 2.9 System Management R1.0
	PICMG 2.16 Packet Switching Backplane R1.0

Connectivity

PMC/XMC	Two PCI 64-bit/133MHz PMC sites with rear I/O (RTM)
	Two PCIe x8 XMC sites shared with PMC sites
Ethernet	Two PCIe Intel® I210 GbE controllers
	Two 10/100/1000BASE-T ports to J3 for PICMG 2.16 ports
Graphics	Integrated in processor with DirectX 11.1 and OCL1.2
	One VGA, eDP and DVI routed to rear
	Additional GPU supporting two DVI ports on RTM (cPCI-R6700 & cPCI-R6500)
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	Microsoft Windows 7/8 32/64-bit
	Red Hat Enterprise Linux 6.4
	Fedora 18
	WindRiver VxWorks 6.9
	(Please contact ADLINK for other OS support)

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

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.

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Note: All specifications are subject to change without further notice.