CT-3620 Series

Rugged Conduction Cooled 3U CompactPCI® Processor Blade with Quad-Core Intel® Atom™ Processor

NEW

Features

- Low-power quad-core Intel® Atom™ Processor E3845 SoC
- Up to 4GB DDR3L-1333 ECC soldered memory
- Onboard 32GB SSD support
- Smart Embedded Management Agent (SEMA) for system health monitoring

CompactPCI®

CONDUCTION COOLED

Specifications

Processor & System

CPU	µFC-BGA quad-core Intel® Atom™ processor E3845 SoC, 1.9GHz, 2MB L3 cache, 10W TDP
Memory	Single channel DDR3L-1333 ECC soldered, up to 4GB
BIOS	AMI EFI BIOS, dual 64M Bit SPI flash memory
CompactPCI Bus	PCI 32-bit, 33/66MHz, 3.3V or 5V universal V(I/O)
	Operation in system slot as master or in peripheral slot as stand-alone blade without connectivity to CompactPCI bus (Satellite mode)
PICMG Standards	PICMG 2.0 CompactPCI R3.0
	PICMG 2.1 Hot Swap R2.0

Connectivity

Ethernet	Two Intel® I210 GbE controllers for two rear ports
Graphics	Integrated in processor with DirectX 11.1 and OCL1.2
	One VGA routed to rear
Serial Port	Two serial ports routed to rear
USB	One USB routed to rear

Storage

Blade	One onboard 32GB SSD on daughter board
RTM	One SATA 3Gb/s port routed to RTM

Operating System

OS	Windows 7/8 32/64-bit
	Red Hat Enterprise Linux 6.5
	Fedora 20
	Wind River VxWorks 5.5.1, 6.4, 6.9
	RTX Real-Time
	(Please contact ADLINK for other OS support)

Miscellaneous

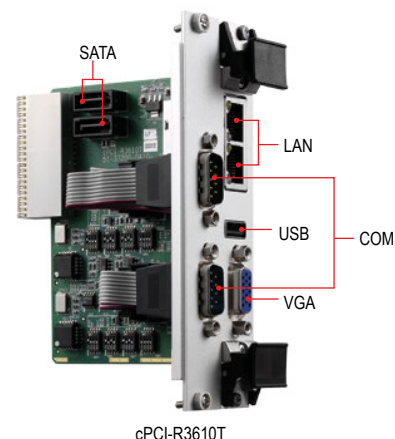|	
LED	Power, WDT, Storage Drive, Thermal, General Purpose
Battery	Gold Capacitor onboard for RTC CMOS RAM
Watchdog Timer	System Reset and NMI, with programmable interval, 1-65535 seconds or minutes
Hardware Monitor	Monitors CPU temperature, system temperature, Vcore and DC voltage

Mechanical & Environmental

Form Factor	3U 4HP CompactPCI
	100mm x 160mm (L x W)
Operating Temp.	-40°C to +85°C
Storage Temp.	-50°C to +100°C
Shock	40g (half-sine), 11ms duration, non-operating
Vibration	5g (sine), 22 to 2000Hz, operating
Relative Humidity	95% non-condensing
Power Consumption	2.75A @ 5V, 13.75W

Safety & EMI

Certifications	CE/FCC

Ordering Information

Model Number	Description/Configuration
Processor Blades	
CT-3620/E3845/M4/S32	1-slot (4HP) rugged conduction cooled 3U CompactPCI blade with Intel® Atom™ processor E3845, 4GB DDR3L-1333 soldered memory, and onboard 32GB SSD
Rear Transition Modules	
cPCI-R3610	8HP rear I/O module with 2x GbE, 1x USB 2.0, VGA, 2x COM, 2x SATA 3Gb/s (only 1x SATA from CT-3620), 50mm depth
cPCI-R3610T	8HP rear I/O module with 2x GbE, 1x USB 2.0, VGA, 2x COM, 2x SATA 3Gb/s (only 1x SATA from CT-3620), 80mm depth

cPCI-R3610T

http://www.adlinktech.com/cPCI/