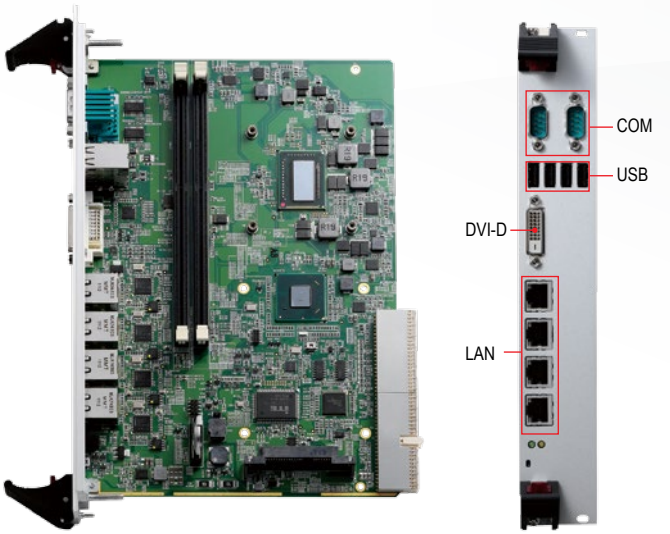
cPCI-6620 Series

Value 6U CompactPCI® Low Power Intel® Core™ i7/Celeron® Processor Blade



Features

- Dual-core 2nd Gen. Intel® Core™ i7-2655LE processor
- Up to 16GB DDR3-1333 memory in two DIMMs
- Supports real-time RTX on Windows
- Four Gigabit Ethernet egress ports
- 5V power input only

CompactPCI®

Specifications

Processor & System

CPU	FC-BGA Intel® Core™ i7-2655LE Processor, 4MB LLC, 2.2 GHz, TDP 25W (2C)
	FC-BGA Intel® Celeron® Processor B810E, 2MB LLC, 1.6 GHz, TDP 35W (2C)
	FC-BGA Intel® Celeron® Processor 847E, 2MB LLC, 1.1 GHz, TDP 17W (2C)
Chipset	Mobile Intel® HM65 Express Chipset
Memory	Dual channel un-buffered DDR3-1066/1333 SDRAM via two 240-pin DIMM sockets, up to 16GB
BIOS	AMI EFI BIOS® 64Mbit SPI flash memory
CompactPCI Bus	PCI 32-bit/33MHz, 3.3V or 5V universal V(I/O)
	Supports operation in system slot only
PICMG Standdards	PICMG 2.0 CompactPCI R3.0

Connectivity

Ethernet	Four PCI-Express Intel® 82574L Gigabit Ethernet controllers
	Four 10/100/1000BASE-T ports
Graphics	Integrated in Intel® processor, 3D engine
	One DVI-D port on front panel
	Supports DirectX 10.1, OpenGL 3.0
USB	Four USB 2.0 ports
Serial Port	Two DB-9 RS-232 serial ports from Super I/O (ITE IT8718F)

Storage

SBC	One SATA 6 Gb/s direct connector for 2.5" onboard HDD/ SSD

Operating System

OS	Microsoft Windows® XP
	Microsoft Windows® 7
	IntervalZero RTX
	(Please contact ADLINK for other OS support)

Miscellaneous

LED	Power (green), Hard Disk (yellow)
Battery	Coin cell lithium battery BR2032 in battery socket for RTC
Watchdog Timer	System Reset and NMI, with programmable interval, 1-65535 seconds or minutes
Hardware Monitor	Monitors CPU temperature, system temperature, Vcore and DC voltages

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

Mechanical & Environmental

Form Factor	6U 8HP CompactPCI equipped with CompactPCI connectors J1 and J2
	233.33mm x 160mm (LxW)
Operating Temperature	0°C to +60°C
Storage Temperature	-40°C to +85 °C
Rel. Humidity	95% non-condensing
Shock	15G peak-to-peak, 11ms duration, non-operating
Vibration	2 Grms random vibration between 5-500Hz in 3 axes, operating
Power Consumption	Celeron® Processor 847E, 1.10 GHz, 2GB DDR3-1333 memory under Windows® XP with 100% CPU loading

	Current (A)	Power (W)
5V	3.69	18.5
Total		18.5

Weight	Net weight 726g with heatsink
EMI/EMC	EN 55022 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3

I/O Table

		GbE	USB 2.0	COM	DVI-D	SATA
cPCI-6620	Faceplate		4	2 (DB-9)	1	
	Onboard	4				1 (for 2.5" HDD)

Ordering Information

Model Number	Description/Configuration
cPCI-6620/655L/M4G	8HP cPCI-6620 with Intel® Core™ i7-2655LE Processor and 2x 2GB DDR3-1333, GbE x4, COM x2, DVI-D, USB x4, SATA
cPCI-6620/847E/M2G	8HP cPCI-6620 with Intel® Celeron® Processor 847E and 2x1GB DDR3-1333, GbE x4, COM x2, DVI-D, USB x4, SATA
cPCI-6620/810E/M2G	8HP cPCI-6620 with Intel® Celeron® Processor B810E and 2x 1GB DDR3-1333. GbE x4, COM x2, DVI-D, USB x4, SATA

Contact your ADLINK representative for different CPU, memory and HDD combinations.

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