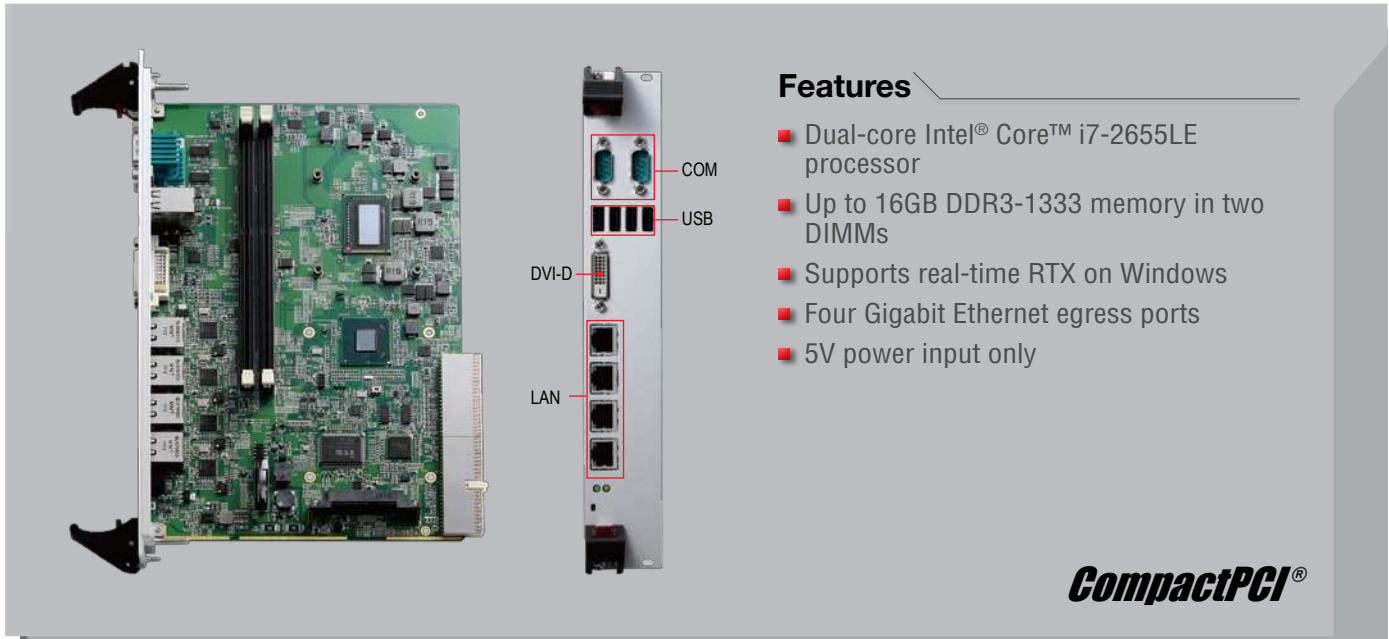


cPCI-6620 Series

Value 6U CompactPCI® Intel® Low Power 2nd Generation Core™ i7/Celeron® Processor Blade



Features

- Dual-core 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

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 Standards	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
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Operating System

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

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 <table border="1"> <tr> <td>Current (A)</td> <td>Power (W)</td> </tr> <tr> <td>5V</td> <td>3.69 18.5</td> </tr> <tr> <td>Total</td> <td>18.5</td> </tr> </table>	Current (A)	Power (W)	5V	3.69 18.5	Total	18.5
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.