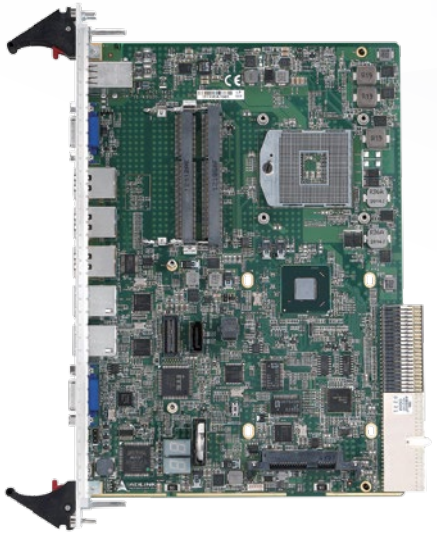
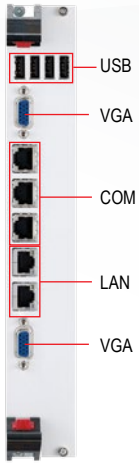
cPCI-6625/6 Series

6U CompactPCI® PlusIO blade with Intel® Core™ i7/i3 Processor





Features

- Dual-core Intel® Core™ i7-2710QE or i3-2330E processor
- Up to 16GB DDR3-1066/1333 memory via two SO-DIMMs
- PICMG 2.30 CompactPCI PlusIO compliant
- PCI Express x4 onboard for extension

CompactPCI®

Specifications

Processor & System

CPU	FC-PGA Intel® Core™ i7-2710QE Processor, 6MB LLC, 2.1 GHz, TDP 45W
	FC-PGA Intel® Core™ i3-2330E Processor, 3MB LLC, 2.2 GHz, TDP 35W
Chipset	Mobile Intel® HM65 Express Chipset
Memory	Dual channel un-buffered DDR3-1066/1333 SDRAM via two 204-pin SO-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
	PICMG 2.30 CompactPCI PlusIO

Connectivity

Ethernet	Four PCI-Express Intel® 82583V Gigabit Ethernet controllers
	Two 10/100/1000BASE-T ports on front panel and two to J2
Graphics	Integrated in Intel® processor, 3D engine
	Two DB-15 VGA ports on front panel
	Support DirectX 10.1, OpenGL 3.0
USB	Four USB 2.0 ports on front panel, four to J2
Serial Port	Three RJ-45 ports with two RS-232 signal each, total four RS-232 ports (Tx, Rx, GND only)
PCI Express	Four PCI Express x1 to J2
	PCI Express x4 onboard for extension card

Storage

SBC	One SATA 6 Gb/s direct connector for 2.5" onboard HDD/ SSD
	One SATA 6 Gb/s 7-pin port on-board
	Four SATA 3 Gb/s ports to J2

Operating System

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

Miscellaneous

LED	Power (green), Storage Drive (yellow), WDT (red)
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 and DC voltages

Mechanical & Environmental

Form Factor	6U 8HP CompactPCI equipped with HM J1 and J2 connectors; UHM J2 connector for cPCI-6625
	233.33mm x 160mm (LxW)
Operating Temperature	0°C to +70°C
Storage Temperature	-40°C to +85°C
RH Humidity	95% non-condensing
Shock	15G peak-to-peak, 11ms duration, non-operating
Vibration	2 Grms random vibration between 5-500Hz in 3 axis
Power Consumption	13A @ 5V, 1.3A @ 3.3V; total 69.3W
Weight	Net weight 657g with heatsink

I/O Table

		GbE	USB 2.0	COM	VGA	SATA
cPCI-6625	Faceplate	2	4	4 (2xRJ-45)	2	
	Onboard					2

Ordering Information

Model Number	Description/Configuration
cPCI-6625/2710/M4G	8HP 6U cPCI PlusIO blade with QC Core™ i7-2710QE processor and one 4GB DDR3 SODIMM with 2x GbE, 2x COM, 2x VGA, 4x USB and 2x SATA ports
cPCI-6625/2330/M4G	8HP 6U cPCI PlusIO blade with DC Core™ i3-2330E processor and one 4GB DDR3 SODIMM with 2x GbE, 2x COM, 2x VGA, 4x USB and 2x SATA ports
cPCI-6626/2710/M4G	8HP 6U cPCI blade with QC Core™ i7-2710QE processor and one 4GB DDR3 SODIMM with 2x GbE, 2x COM, 2x VGA, 4x USB and 2x SATA ports

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