

cPCI-3511(BL) Series

3U CompactPCI PlusIO 4th/5th Generation
Intel® Core™ i7 Processor Blade with ECC



CompactPCI® PlusIO

**EXTENDED
TEMPERATURE**

Features

- Quad-core 4th/5th Generation Intel® Core™ i7 processor
- Up to 8GB DDR3L ECC soldered memory onboard (up to 16GB for cPCI-3511BL)
- System/Peripheral slot operation
- PICMG 2.30 CompactPCI PlusIO compliant
- Intel® AMT 9.0 support



Specifications

Processor & System

CPU NEW Quad-core Intel® Core™ i7-5700EQ Processor 2.6GHz (Turbo boost up to 3.4GHz), 6M Cache, 47/37W by cTDP (cPCI-3511BL only)

Quad-core Intel® Core™ i7-4700EQ Processor 2.4GHz (Turbo boost up to 3.4GHz), 6M Cache, 47/37W by cTDP

Dual-core Intel® Core™ i5-4402E Processor 1.6GHz (Turbo boost up to 2.7GHz), 3M Cache, 25W

Supports Intel® Hyper-Threading and Turbo Boost Technology, VT-x, VT-D, vPro Technology

Chipset Intel® QM87 Chipset

Memory DDR3L-1333 SDRAM ECC soldered, up to 16GB (cPCI-3511BL)

DDR3L-1600 SDRAM ECC soldered, up to 8GB (cPCI-3511)

BIOS AMI EFI BIOS, 64Mbit SPI Flash memory

CompactPCI Bus PCI 32bit, 33/66 MHz, 3.3V or 5V universal V (I/O)

Supports 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

PICMG 2.9 System Management (R1.0)

PICMG 2.30 CompactPCI PlusIO

Connectivity

PMC/XMC

Optional PCI 64bit/66MHz PMC site or PCIe x1 XMC site

Ethernet

One Intel® I217LM controller for one Gigabit Ethernet front panel port with Intel® AMT 9.0 support

Three Intel® I210 controllers for one Gigabit Ethernet front panel port and two rear ports

Additional two Intel® 82574L controllers for two Gigabit

Ethernet front panel ports on riser card (cPCI-3511L only)

Graphics

Integrated in Intel® processor, 3D engine

One DVI-I (digital+analog) port on front panel, analog switchable to rear, supports up to QXGA 2048x1536 pixels @75Hz, 32-bits

Two DisplayPorts on riser card, support up to 2560x1440 pixels @60Hz, DVI, VGA and HDMI interfaces are available by adapter cables (cPCI-3511(BL)G only)

Three independent displays with different /contents

USB

Single USB 3.0 port on front panel, and up to three USB ports on front panel on selected SKUs

Three USB ports to rear, two on RTM panel

Audio

Line-in and Line-out ports on front panel (cPCI-3511(BL)D only)

PS/2

Keyboard/Mouse on cPCI-3511(BL)D and cPCI-3511(BL)G

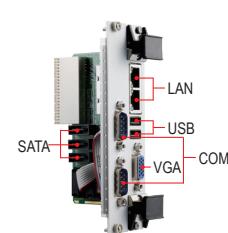
I/O Table

		GbE	USB	COM	Display	PS/2 KB/MS	Storage	Onboard SSD	Audio	PMC/XMC
cPCI-3511(BL) (4HP)	Faceplate	2 (RJ-45)	1 (3.0)		1 (DVI-I)					
	Onboard						1 (CFast)	optional ⁽²⁾		
cPCI-3511(BL)D (8HP)	Faceplate	2 (RJ-45)	1 (3.0) 2 (2.0)	1 (DB9)	1 (DVI-I)	1				
	Onboard						1 (SATA) 1 (CFast)	optional ⁽²⁾	1 (Line-in) 1 (Line-out)	
cPCI-3511(BL)G (8HP)	Faceplate	2 (RJ-45)	1 (3.0) 1 (2.0)	1 (RJ-45)	1 (DVI-I) 2 (DP)	1				
	Onboard			1 (10-pin)			1 (SATA) 1 (CFast)	optional ⁽²⁾		
cPCI-3511L (8HP)	Faceplate	4 (RJ-45)	1 (3.0) 1 (2.0)	1(DB9)	1 (DVI-I)					
	Onboard						1 (SATA) 1 (CFast)	optional ⁽²⁾		
cPCI-R3P00(T)	Faceplate	2 (RJ-45)	2 (2.0)	2 (DB9)	1 (VGA) ⁽¹⁾					
	Onboard						3 (SATA)			

(1) Switched from front port

(2) Available by replacing CFast or mSATA board with onboard SSD adapter board

Ordering Information

Model Number	Description/Configuration	Rear Transition Module	Accessories
Processor Blades			
cPCI-3511BL/5700E/M16/S32 (available by request)	1-slot (4HP) 3U CompactPCI PlusIO blade with Intel® Core™ i7-5700EQ processor and 16GB DDR3L-1333 ECC soldered memory, DVI, 2x GbE, 1x USB 3.0 and onboard 32GB SSD	cPCI-R3P00	2.5" SATA drive installation package including bracket, screws
NEW cPCI-3511/4700E/M8/S32 (available by request)	1-slot (4HP) 3U CompactPCI PlusIO blade with Intel® Core™ i7-4700EQ processor and 8GB DDR3L-1600 ECC soldered memory, DVI, 2x GbE, 1x USB 3.0 and onboard 32GB SSD	cPCI-R3P00T	Y-cable for keyboard & mouse
cPCI-3511BLD/5700E/M16 (available by request)	2-slot (8HP) 3U CompactPCI PlusIO blade with Intel® Core™ i7-5700EQ processor and 16GB DDR3L-1333 ECC soldered memory, DVI, 2x GbE, 1x USB 3.0, COM, 2x USB 2.0, PS/2 KB/MS, Line-in, Line-out, CFast socket and SATA connector	DisplayPort to DVI cable	DisplayPort to DVI adapter cable with 150mm cable (one is included in cPCI-3511BLG package by default)
NEW cPCI-3511D/4700E/M4 (available by request)	2-slot (8HP) 3U CompactPCI PlusIO blade with Intel® Core™ i7-4700EQ processor and 4GB DDR3L-1600 ECC soldered memory, DVI, 2x GbE, 1x USB 3.0, COM, 2x USB 2.0, PS/2 KB/MS, Line-in, Line-out, CFast socket and SATA connector	DisplayPort to VGA cable	DisplayPort to VGA adapter cable with 150mm cable
cPCI-3511BLG/5700E/M16 (available by request)	2-slot (8HP) 3U CompactPCI PlusIO blade with Intel® Core™ i7-5700EQ processor and 16GB DDR3L-1333 ECC soldered memory, DVI, 2x GbE, 1x USB 3.0, RJ-45 COM, 2x DisplayPort, PS/2 KB/MS, 1x USB 2.0, CFast socket and SATA connector	DisplayPort to HDMI cable	DisplayPort to HDMI adapter cable with 150mm cable
NEW cPCI-3511G/4700E/M4 (available by request)	2-slot (8HP) 3U CompactPCI PlusIO blade with Intel® Core™ i7-4700EQ processor and 4GB DDR3L-1600 ECC soldered memory, DVI, 2x GbE, 1x USB 3.0, RJ-45 COM, 2x DisplayPort, PS/2 KB/MS, 1x USB 2.0, CFast socket and SATA connector	RJ-45 to DB9 cable	RJ-45 to DB9 COM adapter and 200mm in cable length
cPCI-3511L/4700E/M4 (available by request)	2-slot (8HP) 3U CompactPCI PlusIO blade with Intel® Core™ i7-4700EQ processor and 4GB DDR3L-1600 ECC soldered memory, DVI, 4x GbE, 1x USB 3.0, 1x USB 2.0, COM, CFast socket and SATA connector	SCSI 100p to IO cable (available by request)	SCSI 100-pin male to 2 x DVI-D female, 2 x DB9 male, 2 x USB female, 2 x PS/2 female, 2 x audio jack, 150 mm cable
		Contact us for different CPU, memory, SSD/HDD, CFast and mSATA combinations.	
		 cPCI-R3P00(T)	