CompactPCI/PlusIO/Serial

ADLINK provides a complete line of 3U and 6U CompactPCI platform and along with a diverse line of plug in boards and these CompactPCI products provide the most cost-effective high performance platforms for telecommunications, military, industrial automation.

3U CompactPCI 2.0 Blades

Intel® Core™ i7/ i5

cPCI-A3515 Series
3U CompactPCI Serial 4th/5th Generation Intel® Core™ Processor Blade with ECC

Key Features

- PICMG® CPCI-S.0 CompactPCI® Serial Processor Blade
- Quad-core 4th/5th Generation Intel® Core™ i7 processor
- Up to 16GB DDR3L ECC soldered memory
- Up to three independent displays
- Optional extended operating temperature -40°C to +85°C (with Intel® cTDP)
- Optional PICMG® 2.0 (CompactPCI®) support
- Smart Embedded Management Agent (SEMA) for system health monitoring
**cPCI-3970 Series**
3U CompactPCI PlusIO 2nd Generation Intel® Core™ i7 Processor Blade with ECC

**Key Features**
- Quad/dual-core 2nd Generation Intel® Core™ i7 processor
- Supports DDR3-1333 SDRAM with ECC via SODIMM, up to 16GB
- Supports IPMI for system health monitoring
- DisplayPort, VGA, DVI, HDMI graphics interfaces
- Supports system/peripheral slot operation

**cPCI-3510(BL) Series**
3U CompactPCI 4th/5th Generation Intel® Core™ i7 Processor Blade with ECC

**Key Features**
- Quad-core 4th/5th Generation Intel® Core™ i7 processor
- Up to 8GB DDR3L ECC soldered memory onboard (up to 16GB for cPCI-3510BL)
- Up to three independent displays
- System/Peripheral slot operation
- Intel® AMT 9.0 support
cPCI-3620
3U CompactPCI Quad-Core Intel® Atom™ Processor Blade

Key Features

- Low power quad-core Intel® Atom™ SoC
- Up to 4GB DDR3L-1333 ECC soldered memory
- Onboard 32GB SSD support
- Smart Embedded Management Agent (SEMA) for system health monitoring
- Optional additional GbE ports with MIL-STD M12 connectors
3U Rugged Conduction-Cooled

CT-3620
Rugged Conduction Cooled 3U CompactPCI® Processor Blade with Quad-Core Intel® Atom™ Processor

Key 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

CT-3510
Rugged Conduction Cooled 3U CompactPCI 4th Generation Intel® Core™ i7 Processor Blade with ECC (Formerly Haswell)

Key Features

- Onboard 32GB NAND flash support
- Up to 8GB DDR3L-1600 ECC soldered memory
- 4th generation Intel® Core™ i7/i5 processor
- 2x GbE, VGA, 3x USB, 3x SATA, 4x PCIe, COM to rear
3U CompactPCI Enclosures & Systems

**cPCIS-3048**
3U CompactPCI Enclosure with 6-slot Backplane and Redundant Power Modules

**Key Features**
- 3U CompactPCI backplane with one system slot and five peripheral slots
- Suitable for rackmount applications
- 3U 48HP fanless enclosure
- Optional redundant CompactPCI power modules

**cPCIS-P2630R**
4U CompactPCI Hybrid PlusIO System with 5 CompactPCI and 4 CPCI-S.0 Peripheral Slots

**Key Features**
- 3U CompactPCI PlusIO backplane with five CompactPCI and four CPCI-S.0 peripheral slots and one system slot
- Temperature, voltage, and fan monitoring LEDs
- Supports rear I/O backplane with P2 connectors for CompactPCI 50mm depth RTMs
- Hot-swappable cooling fans & filter
- 400 W ATX Power supply
cPCIS-ET1100 Series
3U Enclosure with 32-bit Backplane and Wide Temperature Range CompactPCI®
Redundant Power Supply

Key Features

• 3U CompactPCI® single system, seven peripheral slot configuration
• Equipped with wide temperature range CompactPCI® redundant power supply (Max. output 500 W)
• Suitable for both rackmount and desktop applications
• Comprehensive EMC shielding
• Optional rear I/O configuration (cPCI 50mm depth RTMs)

cPCIS-ET2600 Series
3U CompactPCI Subsystem with 8-slot Backplane

Key Features

• 3U CompactPCI® backplane with seven peripheral slots and one system slot
• Temperature, voltage, and fan monitoring LEDs
• Supports current sharing on +5 V, +3.3 V, and +12 V
• PICMG® 2.11 47-pin power interface
• Hot-swappable cooling fans & filter
cPCIS-1202
3U Enclosure with 32-bit Backplane, CompactPCI Redundant Power Supply

Key Features

- Dual 3U CompactPCI® systems, each with five peripheral slots and one system slot
- 1/1 250 W CompactPCI® Power supplies
- Suitable for both rack-mount and desktop applications
- Comprehensive EMC shielding
- Optional rear I/O configuration (cPCI 50mm depth RTMs)

CPCIS-2633 Series
3U CompactPCI® Subsystem with 13-slot Backplane, 2 + 1 CompactPCI® Redundant Power Modules

Key Features

- 3U CompactPCI® backplane with 12 peripheral cand slots and one system slot
- 2 + 1 hot swappable 500 W + 250 W CompactPCI® Power supply (supports three 250 W PSUs)
- Temperature, voltage, and fan monitoring LEDs
- Supports current sharing on +5V, +3.3V, and +12V
- PICMG® 2.11 47-pin power interface
cPCIS-2642 Series
Dual 3U CompactPCI® Subsystem with two 6-slot Backplanes and two CompactPCI® Power Modules

Key Features
- Dual 3U CompactPCI® Systems, each with five peripheral card slots and one system slot
- 1/1 250 W CompactPCI® Power supplies
- Temperature, voltage, and fan monitoring LEDs
- Supports current sharing on +5 V, +3.3 V, and +12 V
- PICMG® 2.11 47-pin power interface

cPCIS-2632 Series
3U CompactPCI® Subsystem with 8-slot Backplane and 1 + 1 CompactPCI® Redundant Power Modules

Key Features
- 3U CompactPCI® backplane with seven peripheral slots and one system slot
- Temperature, voltage, and fan monitoring LEDs
- Supports current sharing on +5 V, +3.3 V, and +12 V
- 1 + 1 hot swappable 250 W + 250 W CompactPCI® power supplies
- PICMG® 2.11 47-pin power interface
- Hot-swappable cooling fans & filter
cPCIS-1100A Series
3U Enclosure with 32-bit Backplane and ATX/CompactPCI® Redundant Power Supply

Key Features

• 3U CompactPCI® single system, seven peripheral slot configuration or dual system, five peripheral slot configuration
• Equipped with single PS/2 form factor 400 W ATX power supply or CompactPCI® redundant power supply (Max. output 500 W)
• Suitable for both rackmount and desktop applications
• Comprehensive EMC shielding
• Optional rear I/O configuration (cPCI 50mm depth RTMs)

cPCIS-2630 Series
3U CompactPCI® Subsystem with 8-slot Backplane and 400 W ATX Power Supply

Key Features

• 400 W ATX Power supply
• 3U CompactPCI® backplane with seven peripheral slots and one system slot
• Temperature, voltage, and fan monitoring LEDs
• Supports rear I/O backplane with P2 connectors for cPCI 50mm/80mm depth RTMs
• Temperature, voltage, and fan monitoring LEDs
cPCIS-2500 Series
3U CompactPCI 6-slot Cubic Chassis with CompactPCI Power Module

**Key Features**

- Compact size, 4U enclosure for 3U CompactPCI® cards
- Side handle design for portable applications
- Stand feet on bottom side for desktop applications
- Versatile wall-mount application with mounting kit
- Standard PICMG® 2.11 47-Pin modular power supply
- Bottom-access removable filter for easy maintenance
6U CompactPCI Enclosures & Systems
1~9U CompactPCI chassis for 6U CompactPCI boards, most of which are with front/rear panel I/O, H.110 CT bus and redundant power supplies...

9U Height

cPCIS-3320/AC
9U Dual System CompactPCI® Chassis with Redundant Power Supplies

Key Features
- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus for all peripheral slots
- PICMG® 2.1 Hot Swap compliant 64-bit CompactPCI® backplane with P3 & P5 rear I/O
- Dual cPCI segments (System A: 1 + 7 slots, System B: 1 + 4 slots)
- 3+1 (750 W + 250 W) hot swappable redundant power supplies with universal AC input
- Redundant cooling architecture

cPCIS-3330 Series
9U 8-slot CompactPCI® Chassis with Redundant Power Supplies

Key Features
- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32-bit or 64-bit 8-slot CompactPCI backplane with P3 & P5 rear I/O
- One cPCI segment, right-hand-side system slot
- 3+1 hot swappable 750 W + 250 W redundant power supplies with universal AC input
- Redundant cooling architecture
cPCIS-3300BLS
9U Blade Server for 12 Blades with Dual Fabric Switch Slots

Key Features

- PICMG® 2.16 Packet Switching Backplane architecture
- Dual PICMG® 2.16 fabric slots for high availability
- 21 slots, including 12 node slots, two fabric slots, three redundant 6U CompactPCI® power modules and one CMM slot
- Hot swappable 800 W + 400 W redundant CompactPCI® power supply with universal AC input
- PICMG® 2.9 compliant backplane with FAL#, DEG# sense an
4U Height

**cPCIS-6418U**
4U 8-slot CompactPCI® System with Redundant Power Supplies

**Key Features**

- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 64-bit 8-slot CompactPCI® backplane with P3 & P5 rear I/O
- Guarded power switch and reset button
- Dual AC power inlets (optional DC-in)
- LED indication for power status, fan status, temperature alarm
- Embedded chassis management tool to monitor fan, temperature & voltage via RS-232 port

**cPCIS-6400U Series**
4U 5-slot CompactPCI® Chassis with Redundant Power Supplies

**Key Features**

- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32-bit or 64-bit 5-slot CompactPCI® backplane with P3 & P5 rear I/O
- PICMG® 2.11 Standard CompactPCI® 47-Pin Power Interface
- 2 + 1 hot swappable 500 W + 250 W redundant power supplies with universal AC input
- Built-in slim type optical drive
cPCIS-6400X Series
4U 5-slot CompactPCI® Chassis with 400 W Power Supply

Key Features

- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32-bit or 64-bit 5-slot CompactPCI® backplane with P3 & P5 rear I/O
- Built-in 400 W AC-input ATX power supply
- Built-in slim type optical drive
- Dual-removable SATA HDD racks
2U Height

**cPCIS-6235R**
2U Rackmount Chassis with Dual AC-Input Mini Redundant Power Supplies

**Key Features**

- 19" Rackmount, 2U height for 6U cPCI boards with 80 mm rear I/O
- Standard 6U CompactPCI® and PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32/64-bit 3-slot CompactPCI® backplane with P3 & P5 rear I/O
- Built-in 300 W + 300 W Dual AC-input mini redundant power supply units
- LED indicators for power status, fan status, temperature alarm

**cPCIS-6230R/ 6240R Series**
2U Rackmount Chassis with 1U ATX Power Supply

**Key Features**

- 19" rackmount, 2U height for 6U cPCI boards with 80 mm rear I/O
- Suitable for one dual-slot system module (cPCIS-6230R Series) or one single-slot system board with three expansion boards (cPCIS-6240R Series)
- Standard 6U CompactPCI® and optional PICMG® 2.5 H.110 CT Bus
- PICMG® 2.1 Hot Swap compliant 32-bit/64-bit 3-slot/4-slot CompactPCI® backplane with P3 & P5 rear I/O
- Built-in 300 W AC input 1U ATX power supply
- Built-in slim type optical drive
1U Height

cPCIS-6130R
2-slot CompactPCI® Rackmount Chassis

Key Features

- 19" rackmount, 1U height for 6U cPCI boards with 80 mm rear I/O
- PICMG® 2.1 Hot Swap compliant 64-bit 2-slot CompactPCI® backplane
- One cPCI segment, lower-side system slot
- Built-in 200 W AC input power supply
- Guarded power switch and reset button
CompactPCI PlusIO Processor Blades

Intel® Core™ i7

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

Key Features

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

3U CompactPCI® PlusIO 2nd Generation Intel® Core™ i7 Processor Blade with ECC

Key Features

- Quad/dual-core 2nd generation Intel® Core™ i7 processor
- Supports DDR3-1333 SDRAM with ECC via SODIMM, up to 16GB
- Supports IPMI for system health monitoring
- Onboard CF or CFast slot
- 1PCIeI3/4PCIe2.5/3SATA3/3USB2/2ETH1G
cPCI-6625
6U CompactPCI PlusIO Blade with Intel® Core™ i7/i3 Processor

Key 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
6U CompactPCI Switches

Key Features

- ARM Cortex-A9 processor integrated in Broadcom BCM56150 switch
- 24-port fully managed Gigabit Ethernet switch
- Pre-installed ADLINK PacketManager accelerates packet processing
- Layer 2/3 switching with advanced support for VLANs, QoS and IPv6
- Two 10 Gigabit Ethernet SFP+ uplink ports
- Supports IPMI based on PICMG 2.9 (Syste
3U CompactPCI Power Supply

**cPS-H325/WDC**

3U CompactPCI 8HP Wide Input Range Power Module for Railway Systems

**Key Features**

- PICMG® 2.11 CompactPCI® Power Interface compliant
- 24 to 110VDC wide range nominal input
- Output power 120W (fanless) or 300W (forced air)
- EN 50155 Class S2 and C2 compliant for power stability
- -40°C to 85°C operating temperature with derating
- Hot-swap support for N+1 redundant systems

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**cPS-P325/AC** Wide temperature PICMG® 2.11 47-pin Hot-Swap Redundant 3U CompactPCI® 8HP 250 W Power Module

**Key Features**

- Supports -25°C to +70°C operating temperature
- Wide range AC input with PFC
- Extremely high efficiency and high power density
- Low inrush current
- 4 high current outputs with flexible load distribution
cPS-H325/110
PICMG® 2.11 47-pin Hot-Swap Redundant 3U CompactPCI® 8HP 250 W Power Module

Key Features

- PICMG® 2.11 CompactPCI® Power Interface compliant
- Internal OR-ing Diodes for N + 1 redundancy
- PICMG® 2.11 47-pin CompactPCI® in-rack power module interface
- 250 W DC output
- Active PFC (Power Factor Correction) meets IEC1000-3-2 Harmonic Correction
- Active current sharing

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cPS-H325/24
PICMG® 2.11 47-Pin Hot-Swap Redundant 3U CompactPCI® 8HP 250 W Power Module

Key Features

- PICMG® 2.11 CompactPCI® Power Interface compliant
- 3U CompactPCI® 8HP form factor
- PICMG® 2.11 47-pin CompactPCI® in-rack power module interface
- 250 W DC output
- Active PFC (Power Factor Correction) meets IEC1000-3-2
cPS-H325/48
PICMG® 2.11 47-Pin Hot-Swap Redundant 3U CompactPCI® 8HP 250 W Power Module

Key Features

- PICMG® 2.11 CompactPCI® Power Interface compliant
- 3U CompactPCI® 8HP form factor
- PICMG® 2.11 47-pin CompactPCI® in-rack power module interface
- 250 W DC output
- Active PFC (Power Factor Correction) meets IEC1000-3-2 Harmonic Correction
- Internal OR-ing Diodes for N+1 redundancy

cPS-H325/AC
PICMG 2.11 47-Pin Hot-Swap Redundant 3U CompactPCI 8HP 250 W Power Module

Key Features

- PICMG® 2.11 CompactPCI® Power Interface compliant
- 3U CompactPCI® 8HP form factor
- PICMG® 2.11 47-pin CompactPCI® in-rack power module interface
- 250 W DC output
- Active PFC (Power Factor Correction) meets IEC1000-3-2 Harmonic Correction
- Internal OR-ing Diodes for N + 1 redundancy
• 6U CompactPCI Power Supply

**cPS-H640/48**
400 W 6U CompactPCI Hot-Swappable Redundant Power Supply

**Key Features**

- PICMG® 2.11 CompactPCI® Power Interface compliant
- 6U CompactPCI® 8HP form factor
- PICMG® 2.11 47-pin CompactPCI® in-rack power module interface
- 400 W DC output, maximum 480 W peak output
- Active PFC (Power Factor Correction) meets IEC1000-3-2

**cPS-H640/AC**
400W 6U CompactPCI Hot-Swappable Redundant Power Supply

**Key Features**

- PICMG® 2.11 CompactPCI® Power Interface compliant
- 6U CompactPCI® 8HP form factor
- PICMG® 2.11 47-pin CompactPCI® in-rack power module interface
- 400 W DC output
- Active PFC (Power Factor Correction) meets IEC1000-3-2 Harmonic Correction
- Internal OR-ing Diodes for N+1 redundancy
3U CPCI-S.0 Blades

The PICMG CPCI-S.0 CompactPCI Serial standard, which evolved from the PICMG 2.0 specification, is the fastest, most versatile, most cost-effective open standard for CompactPCI (CPCI). The Serial standard is mechanically and electronically compatible with 3U and 6U euro-cards, defining an interface for high-speed switched fabrics with a star topology. Point-to-point connectors allow up to eight peripherals on one system slot without switches or bridges. Ethernet data transfer can be configured with full mesh topology, which allows up to 1000Base-T connections to all peripheral slots for redundant, safety-critical systems.

Intel® Core™ i7/ i5 Processor Blades

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

Key Features

- PICMG® CPCI-S.0 CompactPCI® Serial Processor Blade
- Quad-core 4th/5th Generation Intel® Core™ i7 processor
- Up to 16GB DDR3L ECC soldered memory
- Up to three independent displays
- Optional extended operating temperature -40°C to +85°C (with Intel® cTDP)
- Optional PICMG® 2.0 (CompactPCI®) support

CPCI-S.0 Peripherals
cPCI-A3X10
3U CompactPCI Serial XMC Module Carrier

Key Features

- 3U 4HP CPCI-S.0 peripheral
- One XMC slot
- Operating temperature: -40°C to 85°C with qualified components

cPCI-A3H10
3U CompactPCI Serial 2.5” SATA Storage Carrier

Key Features

- 3U 4HP CPCI-S.0 peripheral
- One 2.5” SATA 6Gb/s drive slot
- Status LEDs on faceplate: drive activity, hot-swap status, user-configurable
- Hot swap support
- Operating temperature: -40°C to 85°C with qualified components
6U CompactPCI Processor Blades
Intel® Core™ i7 / i5

Key Features

- Supports 6th/7th Gen Intel® Xeon® E3 and Intel® Core™ i7/i3 processor
- Up to 32GB DDR4-2133 memory, soldered and SO-DIMM, optional ECC
- XMC support
- Up to 8x USB 3.0, 6x RS-232(TX/RX)
- Up to 4x GbE to rear I/O

Key Features

- Quad-core 6th/7th Gen Intel® Core™ i7/i3/Celeron® processor
- Up to 32GB DDR4-2133 memory via two SO-DIMMs
- 5V single power rail
• Legacy IO supported: PS/2, PMC, CompactFlash
• Optional SEMA 3.0 support

6U CompactPCI 3rd Gen Intel® Core™ i7/i5 Processor Blade with PCIe x16 to Rear IO

Key Features
• Low power 22nm 3rd generation Intel® Core™ i7/i5 processor
• Up to 16GB DDR3 ECC memory via one channel soldered and one channel SO-DIMM
• SO-CDIMM Supports PCIe x16 to rear IO, convertible to 2 PCIe x8
• Up to 4 Ethernet GbE ports to rear
• Onboard SATA, CFast socket

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

Key Features
• Up to 16GB DDR3-1066/1333 memory via two SO-DIMMs
• PCI Express x4 onboard for extension
• Dual-core Intel® Core™ i7-2710QE or i3-2330E processor
cPCI-6530(BL) Series
6U CompactPCI 5th/4th Generation Intel® Core™ Processor Blade with two PMC/XMC sites

Key Features
- Quad-core 5th/4th Generation Intel® Core™ processor with ECC
- Dual channel DDR3L ECC memory, soldered and SO-CDIMM, up to 32GB
- Supports three independent displays
- Dual PMC/XMC sites
- Remote management and TPM support

cPCI-6620
Value 6U CompactPCI Intel® Low Power 2nd Generation Core™ i7/Celeron® Processor Blade

Key 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

**cPCI-6520**

6U CompactPCI 3rd Generation Intel® Core™ i7 Processor Blade with ECC SDRAM

**Key Features**

- Low power 22nm the 3rd generation Intel® Core™ i7 processor
- Dual channel DDR3 ECC memory, one channel soldered and one channel SO-CDIMM
- Supports three independent displays: (2xDP/VGA+VGA/DVI)
- USB 3.0 and PCI-Express Gen3 support
- Remote management and optional TPM support

**cPCI-6210**

6U CompactPCI Quad-Core 2nd Generation Intel® Core™ i7 Processor Host/Peripheral Blade

**Key Features**

- Quad-core Intel® Core™ i7-2710QE processor @2.1GHz
- DisplayPort, DVI and VGA graphics interfaces
- SATA 6 Gb/s and CFast storage interfaces
- PCI Express x8 XMC slot in 8HP version
- Remote management support
**Intel® Xeon® Series SBC**

**cPCI-6940**
6U CompactPCI Intel® Xeon® Processor D-1500 Processor Blade with AMD Radeon™ E8860 GPU

**Key Features**
- 14nm multi-core Intel® Xeon® processor D-1500 family (formerly "Broadwell-DE")
- 16GB DDR4-2133 ECC soldered memory & up to 32GB DDR4-2133 ECC socket type memory, max. 48GB
- Integrated AMD Radeon™ E8860 GPU onboard supporting DirectX 11.1, Open GL 4.2, Open CL 1.2
- Dual 10G SFP+ ports on front panel (8HP versions)
- PCIe x16 to J4 UHM connector for rear expansion

**cPCI-6930**
6U CompactPCI 10-core 22nm Intel® Xeon® Processor Blade

**Key Features**
- Up to 10-core Intel® Xeon® E5 v2 processor
- Up to 192GB DDR3 ECC registered memory by RDIMMs
- Two USB 3.0, four GbE ports on front panel
- Optional SAS 6Gb/s port for 2.5” drive onboard
- Onboard SATA SSD and optional CF, CFast socket

6U Rugged Conduction-Cooled SBC

CT-6530

Rugged Conduction Cooled 6U CompactPCI Processor Blade with 4th Gen Intel® Core™ i7

Key Features

- 22nm quad-core 4th generation Intel® Core™ i7/i5 processor with ECC
- 8GB DDR3L-1600 ECC soldered memory
- Two 64-bit/133MHz PMC sites with rear I/O
- Two PCI Express x8 XMC sites
- Configurable TDP
6U CompactPCI RTM

ADLINK offers a diverse line of Rear Transition Module (RTM) to 6U CompactPCI platform to deliver more I/O connectivity...

Key Features

- Dual display with DVI-I and DVI-D
- Ruggedized USB 2.0, GbE M12 ports
- Dual serial ports and optional USB 3.0
- Compatible CPU boards: cPCI-6530/cPCI-6520/cPCI-6940

cPCI-RMPSA
6U CompactPCI Rear Transition Module with ruggedized M12 connectors

cPCI-R6600 Series
6U CompactPCI rear transition module with PCIe x16 and PCIe x4
cPCI-R6002 Series
6U CompactPCI rear transition module with rich IO interface

Key Features
- Rear Transition Module for ADLINK cPCI-6940, cPCI-6930, cPCI-6530, cPCI-6520, cPCI-6510, cPCI-6510, cPCI-6210 processor blades
- Two onboard 7-pin SATA 3Gb/s connectors and one optional onboard 2.5" SATA drive space
- DVI-I output dependent on processor blade, convertible to VGA by adapter
- GbE, USB, COM interfaces on faceplate
- Dual slot 8HP version available with additional I/O interface

cPCI-R6100 Series
6U CompactPCI rear transition module with Intel® Ethernet Controller I350-AM2

Key Features
- Intel® Ethernet Controller I350-AM2
- Up to four Ethernet GbE ports
- Dual display, DVI and VGA
- CompactFlash and SD card slots for onboard storage
- Up to two 2.5" SATA drive on cPCI-R6120
cPCI-R65N0
6U CompactPCI rear transition module with NVIDIA MXM graphics module

Key Features

- MXM 3.0 module with NVIDIA GeForce GTX660M
- 2GB 128-bit DDR5 independent memory
- Supports NVIDIA CUDA core 384
- Dual independent display (DVI-I & DVI-D)
- Supports DirectX 11, OpenGL 4.1

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cPCI-R6500 Series
6U CompactPCI rear transition module with AMD MXM graphics module

Key Features

- MXM 3.0 module with AMD Radeon™ E6760 or E8860 GPU, supporting GDDR5
- DirectX 11, OpenGL 4.1 supported
- Supports dual independent DVI displays (DVI-I, DVI-D)
- Reserved space for 2.5" SATA drive
- Rich IO interface supported
cPCI/cPCI PlusIO Backplanes
ADLINK offers a wide range selection of standard backplanes for different demands with various specifications...

3U Backplanes

**cBP-3213PR**
3U CompactPCI 32-bit 13-slot Backplane with Rear I/O

**Key Features**
- PICMG 2.0 CompactPCI Specification Rev. 3.0 compliant
- One system slot and twelve peripheral slots via cBP-R3213 bridge board
- 10-layer PCB for accurate impedance control and electronic noise immunity
- Two ATX sockets with DC screw terminals
- 32-bit PCI bus on P1, support 7 bus-mastering I/O slots

**cBP-3210PR**
3U 32-bit 10-slot CompactPCI PlusIO Hybrid Backplane with Rear I/O

**Key Features**
- 3U hybrid backplane compliant to PICMG 2.30 CompactPCI® PlusIO
- Supports max. 8HP width CompactPCI® PlusIO system board
- Five legacy cPCI slots and four CompactPCI® Serial peripheral slots
- Supports RTMs for CompactPCI® peripheral slots
- 4x PCIe x1, 4x SATA/SAS, 4x USB 2.0, 2x GbE

**cBP-3208/3206/3204[R]**
3U CompactPCI 32-bit Backplanes with optional rear I/O

**Key Features**
- PICMG 2.0 CompactPCI Specification Rev. 2.1 compliant
- Numbers of slot: 8/6/4 slots (incl. system slot)
- Width: cBP-3208R: 36HP (9-slot) cBP-3206R: 28HP (7-slot) cBP-3204R: 20HP (5-slot)
- Right one slot is system slot and others are peripheral slots
- 10-layer PCB for accurate impedance control and electro

**cBP-3061/cBP-3062**
PICMG 2.11 3U CompactPCI 47-pin Power Backplanes

**Key Features**
- PICMG 2.0 CompactPCI Specification Rev. 2.1 compliant
- Design for 47-pin 3U CompactPCI redundant power supply
- cBP-3061 for single power supply, cBP-3062 for dual power supply
- AC (and DC) Screw terminal input
- Two ATX connectors for DC output connection
6U Backplanes

Key Features

- 1 Segment: 1 system + 7 peripheral slots
- cPCI BUS: up to 64-bit/66MHz
- Power connectors: ATX connector x 1 DC Screw terminals x

Key Features

- 2 Systems
- cPCI Bus: up to 64-bit/66MHz
- System A: 1 system + 7 Peripherals
- System B: 1 system + 4 Peripherals
- 1 CMM slot
**cBP-6609A**

8-slot 64-bit 6U CompactPCI H.110 & PICMG 2.16 Backplane

**Key Features**

- PICMG: 2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.16, 2.9 R1.0
- cPCI Bus: Up to 64-bit/66MHz
- System Slot: Right-Hand side; System slot Rear I/O: P3, P4, & P5
- Peripheral Slot: 6; Peripheral Slot Rear I/O: P4 & P5
- H.110 Bus: Comply with PICMG 2.5 for all peripheral slots

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**cBP-6108R**

8-slot 32-bit 6U CompactPCI Backplane

**Key Features**

- PICMG: 2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.9 R1.0
- Dimension: 202.5 x 262.05 (mm, WxH, vertical insertion view)
- Segment: One
- cPCI Bus: 32-bit/33MHz
- System Slot: Right-hand side; System Slot Rear I/O: P3, P4 a
**Key Features**

- PICMG:2.0 R3.0, 2.1 R2.0, 2.5 R1.0, 2.9 R1.0
- Dimension: 202.5 x 262.05 (mm, WxH, vertical insertion view)
- Segment: One
- cPCI Bus: 32-bit/33MHz
- System Slot: Right-hand side; System Slot Rear I/O: P3, P4 and P5 rear I/O with AB-type shroud
- Peripheral Slot: Seven

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**Key Features**

- System Slot: Left-hand side (bottom side)
- cPCI Bus: Up to 64-bit/66MHz
- Segment: One
- System Slot Rear I/O: P3, P4 and P5 rear I/O with AB-type shroud
- Peripheral Slot: One
cBP-6515R
15-slot 32-bit 3U I/O with 6U System CompactPCI Backplane

**Key Features**

- PICMG: 2.0 R3.0, 2.1 R2.0, 2.7 R1.0
- Dimension: 202.5 x 262.05 (mm, WxH, vertical insertion view)
- Segment: One
- cPCI Bus: 32-bit/33MHz
- System Slot: Right-hand side
- System Slot Rear I/O: P3, P4 a

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cBP-6614A
14-slot PICMG 2.16 6U CompactPCI Blade Server Backplane

**Key Features**

- PICMG: 2.0 R3.0, 2.1 R2.0, 2.9 R1.0, 2.11 R1.0, 2.16 R1.0
- Dimension: Dimension 420.6 x 262.05 (mm, WxH)
- 2.16 Node Slot: 12
- 2.16 Fabric Slot: 2
- cPCI Bus: None
cBP-6408R
8-slot 64-bit 6U CompactPCI Backplane

Key Features

- PICMG 2.0 CompactPCI Specification R3.0 Compliant
- PICMG 2.1 CompactPCI Hot Swap Specification R2.0 Compliant
- PICMG 2.5 H.110 Computer Telephony Specification R1.0 Compliant
- Design for 64-bit/33MHz CompactPCI computer system application
- One system slot with seven expansion slots, system on rig

cBP-6014R
14-slot 32-bit 6U CompactPCI H.110 Bus Backplane

Key Features

- PICMG 2.0 CompactPCI Specification R3.0 Compliant
- PICMG 2.1 CompactPCI Hot Swap Specification R2.0 Compliant
- PICMG 2.5 H.110 Computer Telephony Specification R1.0 Compliant
- PICMG 2.7 Dual system Bus specification R1.0 compliant
- One system slot with 13 expansion slots, system on the mi
Key Features

- PICMG:2.0 R3.0, 2.1 R2.0, 2.5 R1.0
- Dimension (mm, WxH):120.9 x 262.05 (mm, WxH, vertical insertion view)
- Segment:One
- cPCI Bus:Up to 64-bit/66MHz
- System Slot:Right-hand side (upper side for board's horizontal insertion)
- System Slot Rear I/O:P3, P4 and P5 rear I/O with AB-type sh
Key Features

- PICMG: PICMG 2.0 R3.0, 2.1 R2.0
- Dimension (mm, WxH): 309.6x39.64
- Segment: One
- cPCI Bus: Up to 64-bit/66MHz
- System Slot: Left-hand side (bottom side)
CompactPCI Peripheral Cards

Key Features
- Supports 32bit, 33/66MHz CompactPCI® bus
- One SIM card socket
- One Mini PCI and one Mini PCIe socket
- PICMG® 2.0 R3.0 compliant

Key Features
- PICMG® 2.0 R3.0 compliant
- Supports 32bit/33MHz, 66bit/64MHz CompactPCI® bus
- 3U 4HP form factor, 100mmx160mm (LxW)
- Two or four RJ-45 10/100/1000BASE-T ports on front panel
- Intel® 82574L Gigabit Ethernet controllers
- Two LAN ports switchable to rear (cPCI-3E10 only)
cPCI-8602
6U CompactPCI Dual 64-bit PMC Slots Carrier Board

Key Features

- Supports two single-size 32,64-bit/33,66 MHz PMC sites in 4HP width
- PICMG® 2.0 32,64-bit/33,66 MHz cPCI bus
- PICMG® 2.1 Hot Swap Specification Compliant
- 3.3V or 5V V(I/O) for cPCI bus and PMC sites
- PLX® PCI-to-PCI bridge PCI6154 for PCI bus

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cPCI-8301
3U CompactPCI® Single 64-bit PMC Slot Carrier Board

Key Features

- PICMG® 2.0 32,64-bit/33,66 MHz cPCI bus
- Supports one single-size 32,64-bit/33,66 MHz PMC site in 4HP width
- Universal V(I/O) decided by backplane
- Comprehensive EMC shielding
CPCI-S.0 Peripheral Cards

**cPCI-A3X10**
3U CompactPCI Serial XMC Module Carrier

**Key Features**
- 3U 4HP CPCI-S.0 peripheral
- One XMC slot
- Operating temperature: -40°C to 85°C with qualified components

**cPCI-A3H10**
3U CompactPCI Serial 2.5" SATA Storage Carrier

**Key Features**
- 3U 4HP CPCI-S.0 peripheral
- One 2.5" SATA 6Gb/s drive slot
- Status LEDs on faceplate: drive activity, hot-swap status, user-configurable
- Hot swap support
- Operating temperature: -40°C to 85°C with qualified components
Serial Communications Modules

4-Port RS-422/485 Isolated Serial Communications Card

cPCI-3544

Key Features

• 32-bit CompactPCI®, PICMG® 2.0 Rev 2.1
• Plug-and-play, IRQ & I/O address automatically assigned by PCI BIOS
• Four asynchronous communications ports with intelligent buffer
• Four RS-422/485 ports
• 2500 VRMS isolation voltage
• Supports multiple OS
CAN Interface Cards

Key Features

- PICMG® 2.0 Rev 2.1
- Dual-independent CAN network operation
- Up to 1 Mbps programmable transfer rate
- 16 MHz CAN controller frequency
- 2500 VRMS optical isolation
XMC / PMC Modules

**XMC-G745**
XMC Module with NVIDIA GeForce GT 745M GPU
The XMC-G745 is scheduled for discontinuation as of 2017/11/22. The recommended replacement product is XMC-G1050TI.

**Key Features**
- Ideal for defense, radar, sonar, UAV and ground vehicles
- NVIDIA GeForce GT 745M GPU with "Kepler" architecture
- High-resolution, high-performance platform for rugged video I/O and GPGPU applications
- CUDA Compute Capability 3.0 for parallel computation and graphics processing

**XMC-E540**
Dual-port 10GBASE-T Ethernet XMC Module

**Key Features**
- Intel® 10Gigabit Ethernet Controller X540
- Dual-port RJ-45 copper interface at 10G/1G/100Mbps
- IEEE 802.3an 10GBASE-T, IEEE 802.3 100/1000BASE-T compliant
- PCI Express v2.1 x1/x2/x4/x8
- VMDq1, VMDq and PCI-SIG SR-IOV virtualization
PMC-8246
Dual-Gigabit Ethernet PCI-X - PMC Module with Failover Function

Key Features

- Dual-Gigabit Ethernet ports
- Supports PCI-X bus up to 133 MHz
- Failover capability during system power off or software halt
- Software programmable failover control
- DIP Switch selectable failover control
- Programmable watchdog timer, WDT status read-back
Isolated DIO

Key Features

- Two external interrupt sources for cPCI-7432/7432RP/7433
- 3U Eurocard form factor, CompactPCI compliant (PICMG 2.0 R2.1)
- 32-CH isolated digital inputs & 32-CH isolated digital outputs for cPCI-7432
- 64-CH isolated digital inputs for cPCI-7433
- 64-CH isolated digital outputs for cPCI-7434/7434P
- 5000 VRMS isolation voltage
Relay Output & Isolated DIO

**Key Features**
- Two external interrupt sources
- Relay output status read back
- 16-CH isolated DI
- On-board low-pass filtering for DI
- Nonlatching relays

**cPCI-7252**
8-CH Relay Outputs & 16-CH Isolated DI Module

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**cPCI-7300**
32-CH 80 MB/s High-Speed Digital I/O Module

**Key Features**
- Not recommended to be used in the system with greater than 2GB memory
- Supports handshaking DIO transfer mode
- On-board programmable timer pacer clock for clocked DIO
- Scatter-gather DMA
- On-board 32k words FIFO
cPCI-9116
64-CH 16-Bit 250kS/s Multi-Function DAQ Card

Key Features

- PICMG 2.0 Rev 2.1
- 16-bit A/D and sampling rate up to 250kS/s
- 64-CH single-ended or 32-CH differential input
- On-board 1k-sample A/D FIFO
- Programmable gains of x1, x2, x4, x8
- 512-configuration channel-gain queue

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cPCI-6208/6216 Series
8/16-CH 16-Bit Analog Output Modules

Key Features

- PICMG 2.0 Rev 2.1
- 16-bit D/A resolution
- 16-CH voltage on 6216V
- 8-CH voltage outputs on 6208A and 6208V
- 8-CH current outputs on 6208A
CompactPCI Peripheral Cards

**cPCI-3W10**
3U CompactPCI Mini PCI, Mini PCIe Carrier Board

**Key Features**
- Supports 32bit, 33/66MHz CompactPCI® bus
- One SIM card socket
- One Mini PCI and one Mini PCIe socket
- PICMG® 2.0 R3.0 compliant

**cPCI-3E10/3E12**
3U CompactPCI® 2/4-Port Gigabit Ethernet Card

**Key Features**
- PICMG® 2.0 R3.0 compliant
- Supports 32bit/33MHz, 66bit/64MHz CompactPCI® bus
- 3U 4HP form factor, 100mmx160mm (LxW)
- Two or four RJ-45 10/100/1000BASE-T ports on front panel
- Intel® 82574L Gigabit Ethernet controllers
- Two LAN ports switchable to rear (cPCI-3E10 only)
6U CompactPCI Dual 64-bit PMC Slots Carrier Board

**Key Features**

- Supports two single-size 32,64-bit/33,66 MHz PMC sites in 4HP width
- PICMG® 2.0 32,64-bit/33,66 MHz cPCI bus
- PICMG® 2.1 Hot Swap Specification Compliant
- 3.3V or 5V V(I/O) for cPCI bus and PMC sites
- PLX® PCI-to-PCI bridge PCI6154 for PCI bus

3U CompactPCI® Single 64-bit PMC Slot Carrier Board

**Key Features**

- PICMG® 2.0 32,64-bit/33,66 MHz cPCI bus
- Supports one single-size 32,64-bit/33,66 MHz PMC site in 4HP width
- Universal V(I/O) decided by backplane
- Comprehensive EMC shielding
CPCI-S.0 Peripheral Cards

Key Features

- 3U 4HP CPCI-S.0 peripheral
- One XMC slot
- Operating temperature: -40°C to 85°C with qualified components

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cPCI-A3X10
3U CompactPCI Serial XMC Module Carrier

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cPCI-A3H10
3U CompactPCI Serial 2.5” SATA Storage Carrier

Key Features

- 3U 4HP CPCI-S.0 peripheral
- One 2.5” SATA 6Gb/s drive slot
- Status LEDs on faceplate: drive activity, hot-swap status, user-configurable
- Hot swap support
- Operating temperature: -40°C to 85°C with qualified components
Serial Communications Modules

Key Features

- 32-bit CompactPCI®, PICMG® 2.0 Rev 2.1
- Plug-and-play, IRQ & I/O address automatically assigned by PCI BIOS
- Four asynchronous communications ports with intelligent buffer
- Four RS-422/485 ports
- 2500 VRMS isolation voltage
- Supports multiple OS
CAN Interface Cards

**PCI-7841/cPCI-7841**
Dual-port Isolated CAN Interface Cards

**Key Features**

- PICMG® 2.0 Rev 2.1
- Dual-independent CAN network operation
- Up to 1 Mbps programmable transfer rate
- 16 MHz CAN controller frequency
- 2500 VRMS optical isolation
XMC / PMC Modules

XMC-G745
XMC Module with NVIDIA GeForce GT 745M GPU
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- High-resolution, high-performance platform for rugged video I/O and GPGPU applications
- CUDA Compute Capability 3.0 for parallel computation and graphics processing

XMC-E540
Dual-port 10GBASE-T Ethernet XMC Module

Key Features

- Intel® 10Gigabit Ethernet Controller X540
- Dual-port RJ-45 copper interface at 10G/1G/100Mbps
- IEEE 802.3an 10GBASE-T, IEEE 802.3 100/1000BASE-T compliant
- PCI Express v2.1 x1/x2/x4/x8
- VMDq1, VMDq and PCI-SIG SR-IOV virtualization
Key Features

- Dual-Gigabit Ethernet ports
- Supports PCI-X bus up to 133 MHz
- Failover capability during system power off or software halt
- Software programmable failover control
- DIP Switch selectable failover control
Isolated DIO

Key Features

- Two external interrupt sources for cPCI-7432/7432RP/7433
- 3U Eurocard form factor, CompactPCI compliant (PICMG 2.0 R2.1)
- 32-CH isolated digital inputs & 32-CH isolated digital outputs for cPCI-7432
- 64-CH isolated digital inputs for cPCI-7433
- 64-CH isolated digital outputs for cPCI-7434/7434P
- 5000 VRMS isolation voltage
Relay Output & Isolated DIO

Key Features
- Two external interrupt sources
- Relay output status read back
- 16-CH isolated DI
- On-board low-pass filtering for DI
- Nonlatching relays

Key Features
- Not recommended to be used in the system with greater than 2GB memory
- Supports handshaking DIO transfer mode
- On-board programmable timer pacer clock for clocked DIO
- Scatter-gather DMA
- On-board 32k words FIFO
**cPCI-9116**
64-CH 16-Bit 250kS/s Multi-Function DAQ Card

**Key Features**
- PICMG 2.0 Rev 2.1
- 16-bit A/D and sampling rate up to 250kS/s
- 64-CH single-ended or 32-CH differential input
- On-board 1k-sample A/D FIFO
- Programmable gains of x1, x2, x4, x8

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**cPCI-6208/6216 Series**
8/16-CH 16-Bit Analog Output Modules

**Key Features**
- PICMG 2.0 Rev 2.1
- 16-bit D/A resolution
- 16-CH voltage on 6216V
- 8-CH voltage outputs on 6208A and 6208V
- 8-CH current outputs on 6208A
- Bipolar analog output range