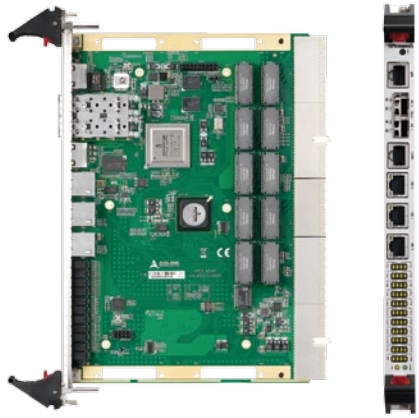
cPCI-6S10

6U CompactPCI 10 Gigabit Ethernet Switch Blade

Features

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



Specifications

Processor & System

Switch Fabric

Broadcom BCM56150 24-port Gigabit Ethernet switch with two 10 Gigabit SFP+ uplink ports, integrated ARM Cortex-A9 processor

PHY

Broadcom BCM54685 Octal port 1000BASE-T PHY
Broadcom BCM5221 100M PHY

CPU

ARM Cortex-A9 CPU integrated in Broadcom BCM56150

Flash

8MB SLC QSPI NAND flash

PICMG standards

PICMG 2.0 CompactPCI R3.0
PICMG 2.9 System Management R1.0
PICMG 2.16 Packet Switch Backplane R1.0

Interface

Ethernet

Twenty 1000BASE-T ports to J3/J5 for node slots
Three 1000BASE-T ports to front panel
Two 10 Gigabit ports to front panel for uplink
One 10/100/1000BASE-T port to J4 for optional applicaiton
One 10/100BASE-TX port PHY to front panel for remote management

Management

500 kB on-chip frame buffer
DSCP remarking for both IPv4 and IPv6
Jumbo frame support
Programmable classifier for QoS, IEEE802.1p and DSCP for IPv4 and IPv6
8k MAC addresses and 4k VLANs (IEEE 802.1Q)
Flexible link aggregation compliant to IEEE 802.3ad
Full-duplex flow control (IEEE 802.3x) and half duplex back pressure, symmetric and asymmetric multiple protocol support: IEEE 802.1D, IEEE 802.1w, IEEE 802.1s and IEEE 802.1X

COM

One RJ-45 RS-232 console port on front panel for management

Operating System

OS

Broadcom SDK under Linux (Please contact ADLINK for other OS support)

Miscellaneous

LEDs

Power Good, 24-port 1000BASE-T, 2-port 10 Gigabit

Hardware Monitor

Monitors voltages of CPU, switch and PHY by IPMI

Reset Button

Passive reset button on front panel for blade reset

Mechanical & Environmental

Form Factor

6U 4HP (single slot)
233.35mm x 160mm (L x W)

Operating Temperature

0°C to +60°C for air cooled

Storage Temperature

-50°C to +100°C

RH Humidity

95% non-condensing

Shock

15G peak-to-peak, 11ms duration, non-operating

Vibration

2Grms random vibration between 5-500Hz in 3 axis, operating

Safety & EMI

Certification

CE/ FCC Class A

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Specifications

- **Compatible CPU Blades**
  CPU Blade
  cPCI-6940/cPCI-6530/cPCI-6520/cPCI-6930/cPCI-6210/cPCI-6510

- **Compactible Chassis**
  cPCIS-3300BLS
  9U CompactPCI chassis with dual fabric switch slots and redundant power supply

Ordering Information

Switch Blade

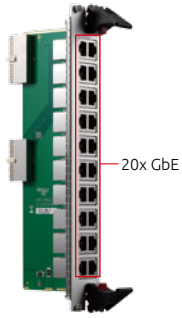
- **cPCI-6S10**
  1-slot 4HP 6U CompactPCI Switch Blade with 24 1000BASE-T ports, 2 10G SFP+ ports and PacketManager software bundle

Rear Transition Modules

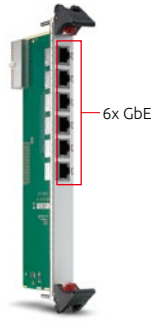
- **cPCI-R6S10**
  6U 8HP Rear Transition Module for cPCI-6S10 with 20 GbE RJ-45 ports
- **cPCI-R6S11**
  6U 4HP Rear Transition Module for cPCI-6S10 with 6 GbE RJ-45 ports supporting PICMG 2.16

Backplanes

- **cBP-6609A**
  6U 8-slot CompactPCI PICMG H.110 & PICMG 2.16 packet switching backplane
- **cBP-6614A**
  6U 14-slot PICMG 2.16 CompactPCI blade server backplane



cPCI-R6S10



cPCI-R6S11

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