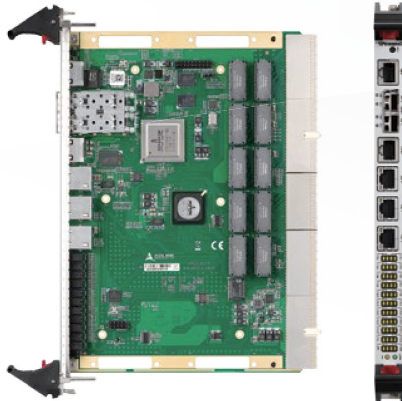


cPCI-6S10

6U CompactPCI 10 Gigabit Ethernet Switch Blade

NEW



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 & Switch

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 application
	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)
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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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Compatible CPU Blade

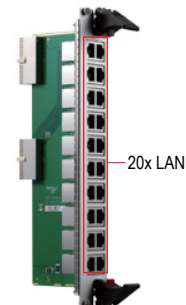
CPU Blade	cPCI-6530/cPCI-6520/cPCI-6930/cPCI-6210/cPCI-6510
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Compatible Chassis

cPCIS-3300BLS	9U CompactPCI chassis with dual fabric switch slots and redundant power supply
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Ordering Information

Model Number	Description/Configuration
Processor Blades	
cPCI-6S10	1-slot (4HP) 6U CompactPCI switch blade with 24-port 100BASE-T, 2-port 10G SFP+ ports and PacketManager software bundle
Rear Transition Modules	
cPCI-R6S10	6U 8HP CompactPCI, 20-port 1000BASE-T Ethernet Rear Transition Module
Backplanes	
cBP-6609A	8-slot 64-bit 6U cPCI H.110 & 2.16 Bus Backplane
cBP-6614A	



cPCI-R6S10

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Computer

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