

cPSB-880 Series

Best PICMG 2.16 Development Platform for Voice/IP Convergence Applications

9U 8 Slots PICMG 2.16 & H.110 Packet Switched Blade System with Redundant Switch Fabric for Value-added Service and Telecom Gateways

Blade System



cPSB-880 System Front View

cPSB-880 System Rear View

Product Overview

The ADLINK cPSB-880 Series 9U Packet Switched Blade Platform is an ideal development platform for telecom applications focusing on gateways such as media gateway, signaling gateways, as well as telecom value-added services like LBS (Location Based Service), RBT (RingBackTone), and MMS (Multimedia Message System). This flexible and reliable PICMG 2.16 compliant development platform with optimized I/O and storage provides the best solution for equipment manufacturers and system integrators and shortens time-to-market with fast growing business revenues.

cPSB-880 supports 8 slots compliant with PICMG 2.16, up to 6 node slots and 2 fabric slots supporting 64-bit/66MHz PCI and H.110 CT bus, embedded CD-ROM and floppy drives, and 2 to 3 HDDs for RAID. Application developers will never find a better PICMG 2.16 platform with such flexible and considerable design.

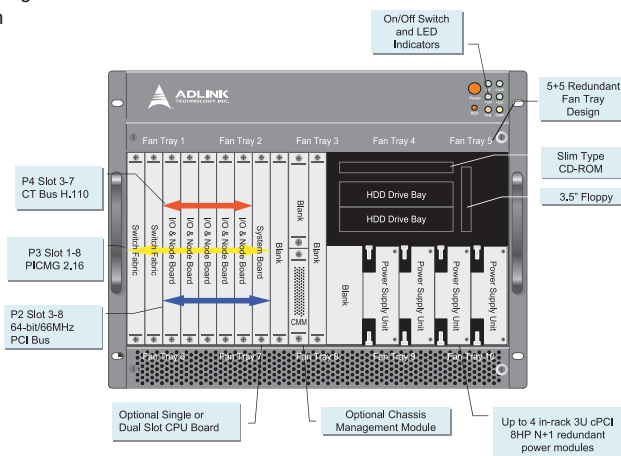
Features

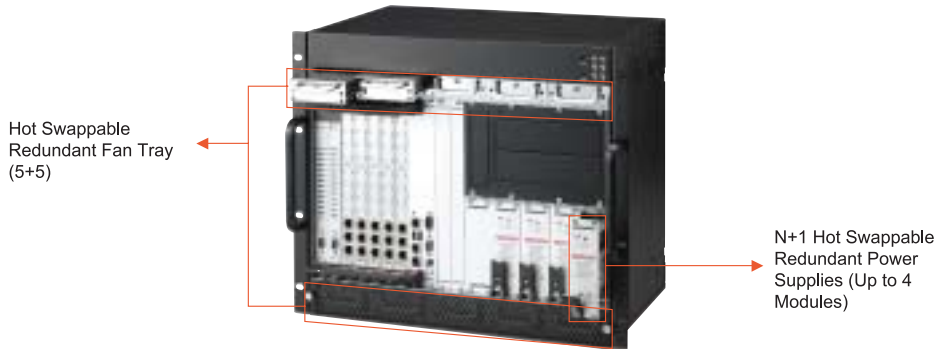
- Standard 6U CompactPCI and PICMG 2.16, 2.9 & H.110 CT Bus
- Dual PICMG 2.16 fabric slots for switching-HA
- 8 slots (6 node slots and 2 fabric slots), 8 RTM slots
- N+1 hot swappable 500W+250W redundant cPCI power supplies
- Optional PICMG 2.9 with IPMI CMM for remote monitoring and controlling whole system via Ethernet
- One 64-bit/ 66MHz cPCI bus Segment
- N+N (5+5+2) hot swappable redundant cooling architecture
- Designed to meet NEBS Level 3 installation

Applications

- Media Server/ Signaling Gateway
- Media Gateway Controller
- Voice Portal
- Streaming Server
- LBS/ HLR/ VLR/ SMS/ Call Center

cPSB-880 System Architecture





Specifications

CompactPCI Standards	PICMG 2.0, 2.1, 2.5, 2.9, 2.11, 2.16
Form Factor	6U cPCI with 80 mm depth rear I/O
Enclosure	EIA RS-310C 19" 9U high rack-mount enclosure Coated metal plate outer covering Guarded power switch and reset button
Basic Alarm Module	Monitors inner chassis temperature and fan status (Model dependent) Abnormal status will generate alarm and LED warning Alarm reset (beep silence) LED indications show power voltage status on 5V, 3.3V, 12V and -12V
Cooling System	Front-access hot-swappable fan trays for in-take and ventilation: 12V DC brushless, dual ball bearing 5 fans for in-take and 5 fans for ventilation Rated speed for each fan: 4000 ± 500 RPM Rated power for each fan: 2.64W Air flow for in-take: 241 CFM Air flow for ventilation: 241 CFM Rear-access hot-swappable fan module for power bank and drive bays: 12 VDC brushless, dual ball bearing 2 fans for ventilation with 51 CFM each Rated speed for each fan: 2800±250 RPM Rated power for each fan: 2.9W
Drive Bay	Two 5.25" can support RAID and one 3.5" drive bay, built-in one slim-type CD-ROM
Power Supply	Supports up to 4 in-rack 3U cPCI 8HP power modules Supports current sharing on 5V, 3.3V, and 12V PICMG 2.11 47-pin power interface Available power module: cPS-H325/AC (250W) N+1 redundant each
Dimensions	483.2 x 399 x 299.1 (mm, W x H x D, w/o handle)
Operating Temperature	0 to 45°C
Storage Temperature	-20 to 80°C
Humidity	5% to 95%, non-condensing
Safety	CE, FCC class A
NEBS	Designed for NEBS Level 3

