Teknor XL-PSB

XTREAMLINK
Family of products



Versatile, reliable and innovative CompactPCI®

The Teknor XL-PSB is an 8U, 19" rackmount CompactPCI platform, designed with state-of-the-art technology and unparalleled versatility, and built to be fully reliable and scalable. It's an entry- to medium-level solution for OEMs who require robust and cost-effective systems today, but can easily migrate to Kontron's XL-VHDS platform for high-end , high availability requirements tomorrow. The XtreamLink family of CompactPCI platforms can provide developers with all the requirements for innovative convergence networking solutions..

Finally, a CompactPCI platform within your reach...

The datacom, Internet infrastructure, computer telephony and convergence market has influenced new technologies such as the PICMG® 2.16 specification, H.110 telephony bus and switch fabric. As the need for a reliable communication platforms is increasingly critical, the XL-PSB has been designed for that reason, and its cost-effectiveness has made it accessible. You can't get a better value for your demanding communications infrastructure requirements.

Features	Benefits
PICMG 2.16-compliant packet switching backplane with redundant hot-swap Ethernet switch cards	High performance and reliability. This may be significantly increased when used with Kontron's 2.16-compliant boards.
Two H.110 telephony buses	Support for a variety of computer telephony applications such as media and VoIP gateways.
Two 64-bit cPCI buses	Capacity and scalability. Allows for future expansion and upgrades.
Redundant hot-swap power supplies	Increased serviceability.
Hot-swap fan tray with three 150CFM fans	Fans may be serviced without system shutdown.

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➤ Teknor XL-PSB Technical Specifications



Form Factor

- cPCI 8U, Rack-mount or desktop (detachable ear brackets and rubberfeet)
- Height : 14.0" (356mm)
- Width : 17.0" (432mm)
- Depth : 11.7" (297mm)
- Rear transition module availability for every slots

cPCI backplane features

- 2 x 8-slot cPCI bus segments (64-bit data path, 33MHz, selectable V(I/O)(3.3V or 5V) and PCI-X 66MHz capable)
- 2 x 6-slot H.110 telephony bus segments (PICMG 2.5 R1.0)
- 14-node packet-switched bus (supporting 10/100/1000Mb/s Ethernet signaling) with dual redundant fabric slots.
- System management bus support on all slots

Ethernet switch options (PICMG 2.16 R1.0)

- One Layer 2, 24 ports (10/100Mb/s) with 2 Gigabit uplinks switch
- Dual redundant configuration

Thermal management

- Front loaded hot swap 2U fan tray with three 150CFM fans and fan monitoring leds

Environment

Designed to meet or exceed the following:

Ambient Temperature	
• Operating/Humidity	0°C to +50°C/5-95% @ 50°C (32° to 122°F/5-95% @ 122°F)
• Non-Operating/Humidity	-40°C to +70°C / 0-95% @ 50°C (-40° to 158°F / 0-95% @ 122°F)
Shock (operating)	5G max. at 11ms duration, 3 axis both directions
Vibration (operating)	1.5G max, 58-500Hz, 3 axis
Acoustic Noise	< 55dB at 1m in front of the system at full load

Safety Regulations

US	UL1950
Canada	CSA C22.2 No. 950
Europe	CE Mark to EN60950
International	CB Scheme report IEC60950

Flammability

All plastics and wires : UL94V0 or V1 with O I > 28%

EMC/EMI/RFI

Designed to meet or exceed the following:

US	FCC 47 CFR Part 15, Class B
Canada	ICES-003 Class B
Europe	CE Mark to EN55022 Class B, EN61000-3-2, EN61000-3-3/ EN55024

Power Supply options

- One 6U x 8HP cPCI 350W, 110/220 VAC Nominal
- Dual redundant 6U x 8HP cPCI 350W, 110/220 VAC Nominal

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