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Find the *Acromag / Xembedded / Xycom VPX4500* at our website: ***Click HERE***

AcroPack® Carriers

VPX4500 Series VPX Carrier Cards for XMC and AcroPack Modules





PCIe x16 Gen 3 interface via Data plane ✦ One XMC and Four AcroPack slots ✦ 6U form factor

Description

Models

VPX4521-42-20: Vita 42, Air-cooled.
VPX4521-42-30: Vita 42, Air-cooled, Ext. temp.
VPX4521-42-50: Vita 42, Conduction-cooled.
VPX4521-61-20: Vita 61, Air-cooled.
VPX4521-61-30: Vita 61, Air-cooled, Ext. temp.
VPX4521-61-50: Vita 61, Conduction-cooled.

The VPX4521 carrier card provides a simple and cost-effective solution for interfacing one XMC and four AcroPack modules to a VPX computer system.

Connect to the OpenVPX™ compatible system via Data plane for a direct PCIe connection over the VPX backplane. This allows host processors access to a high-performance, low latency interconnect to the AcroPack and XMC modules on the carrier card.

By inserting AcroPack or XMC industrial I/O and configurable FPGA modules, developers can now leverage hundreds of available functions currently unavailable in a VPX platform.

These carriers are ideal for high-performance industrial, defense, scientific research, and telephony systems requiring high-speed I/O expansion. The VPX4521 is available in two versions: air-cooled and conduction-cooled.

The VPX4521 is a member of a 6U OpenVPX mezzanine carrier card family that supports a simple and cost-effective solution for interfacing XMC or AcroPack modules to OpenVPX computer systems.

Key Features & Benefits

- OpenVPX™ compatable Data plane connection
- Support for upstream/downstream PCIe links
- Supports use of prXMC single board computers
- Optional backplane configuration for one 16-lane port, two 8-lane ports, or four 4-lane ports
- Supports standard VITA 42 and rugged VITA 61 XMC modules on 25W mezzanine site
- XMC site supports PCIe x8 Gen 3 interface
- 68 pin HD CHAMP front I/O connectors
- Supports 78-bits (39 pairs) of XMC I/O to backplane per pattern X38s+X8d+X12d of VITA 46.9
- Conforms to VITA 42.0, 42.3, 46.0, 46.4, 48, 65
- Supports front or rear panel XMC I/O
- Supports front or rear panel AcroPack I/O
- ±12V AUX power to XMC site

Acromag
THE LEADER IN INDUSTRIAL I/O

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