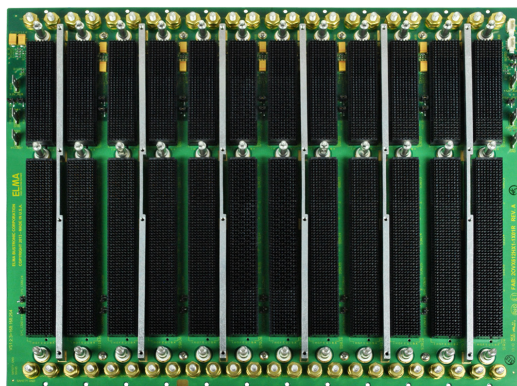


6U 12-Slot OpenVPX Backplane

BKP6-CEN12-11.2.9-n



Description

This 6U OpenVPX backplane features 12 slots, a centralized dual star data plane topology with a data rate of up to 3.125 Gbps. Optional RTM connectors (rear transition modules) for rear I/O support.

Elma's OpenVPX backplanes are designed in accordance with the relevant backplane profile descriptions provided within the current ANSI/VITA and ANSI/VITA 65 standards.

Features

- Compliant to ANSI/VITA 65-2012 and ANSI/VITA 46.0-2013
- Slot pitch 1.0"
- Dual star routing topology
- High Speed Velox connectors
- Rugged Eurocard form factor in 3U height
- Provides built in ESD ground protection in every slot

Board Specifications

- 16 layers
- 2 oz power and ground layers
- PCB FR4
- PCB 0.212" thick

Mechanical Specifications

- 6U height
- 12 slots
- 10.317" tall X 12.760" wide

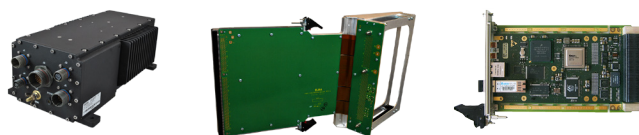
Slot Profile

- Slot 1 - 5, Slot 8 - 12: SLT6-PAY-4F2T-10.2.2
- Slot 6 - 7: SLT6-SWH-24F-10.4.3

Related Products and Applications

Highly integrated applications such as:

- Integrated display processing, mission management and navigational control for avionics systems
- Industrial monitoring, medical equipment, and night-vision systems requiring enhanced graphics capabilities
- Shipboard systems for target tracking and high definition displays
- Applications requiring a mix of I/O options, high compute density and enhanced graphics



- Load boards convection or conduction cooled
- Rear Transition Modules for I/O
- Intel & Freescale Single Board Computers
- Blade level networking boards (Ethernet, PCI Express)
- Rackmount, desktop, and ATR chassis platforms
- Ruggedization programs

VPX

6U 12-Slot OpenVPX Backplane

BKP6-CEN12-11.2.9-n

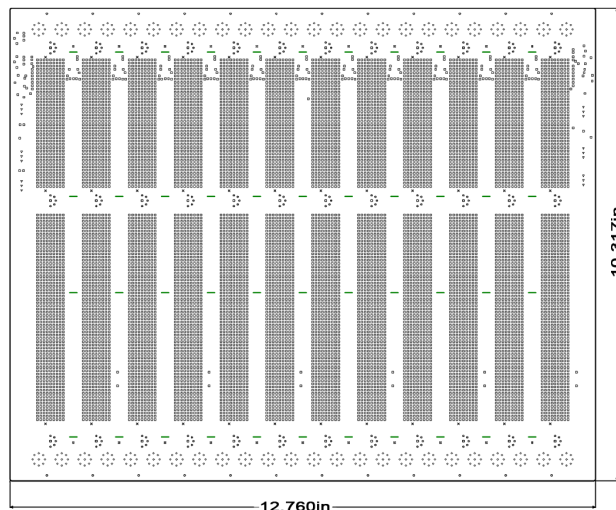


VPX

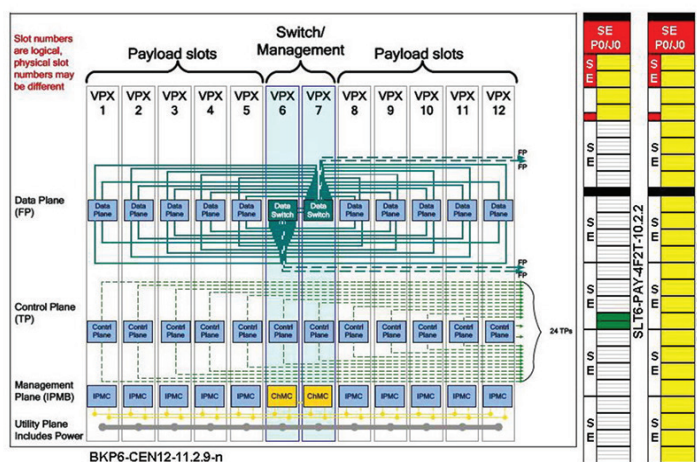


Backplanes

Line Drawing



Backplane Topology



Order Information

Height	Total Slots	Description	Profile Number	Part Number
6U	12	VPX Dual star with data plane switch, channel Gbaud rate up to 3.125.	BKP6-CEN12-11.2.9-1	1OVX612HX1-1X01R

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