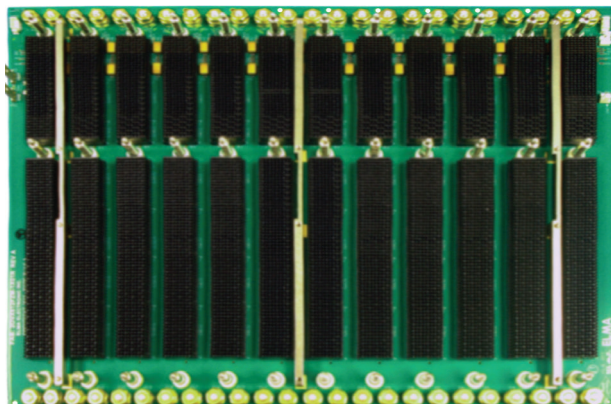


# 6U 12-Slot OpenVPX Backplane

## BKP6-CEN12-11.2.21-n



### Description

This 6U OpenVPX backplane features 12 slots, a centralized dual star data plane topology with a data rate of up to 10Gbps. Optional RTM connectors (rear transition modules) for rear I/O support.

Elma offers a variety of backplane topologies to support a wide range of system interconnect requirements. Our VPX 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
- 1.0" slot pitch
- Dual star routing topology
- High Speed MULTIGIG RT2 connectors
- Rugged Eurocard form factor in 6U height
- Provides built in ESD ground protection in every slot

### Board Specifications

- 22 layer stripline design
- 1 oz. power and ground layers
- PCB Megtron 6
- PCB 0.212" thick

### Mechanical Specifications

- 6U height
- 12 slots
- 10.317" tall X 12.70" wide

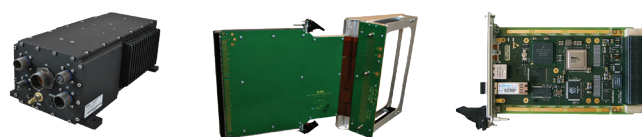
### Slot Profile

- Slot 1 - 5, Slot 8 - 12: SLT6-PAY-4F1Q2U2T-10.2.1
- Slot 6 - 7: SLT6-SWH-16U20F-10.4.2

## 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**

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## BKP6-CEN12-11.2.21-n

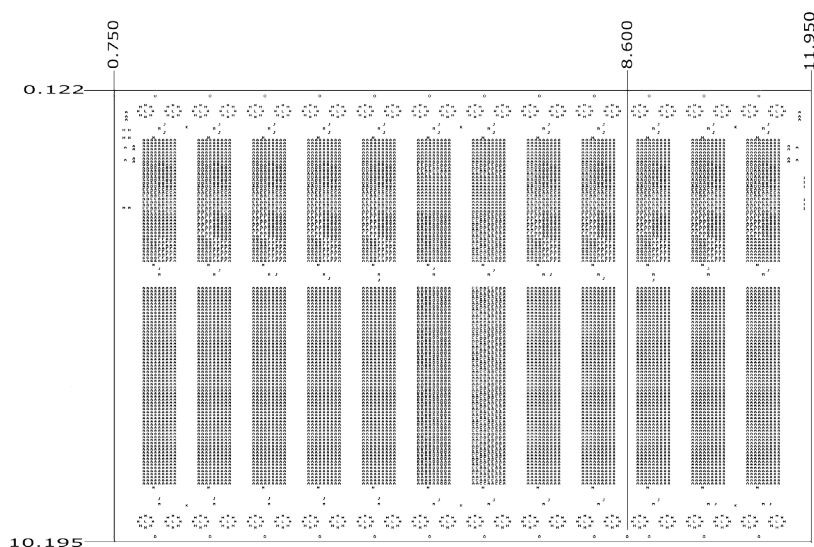


VPX

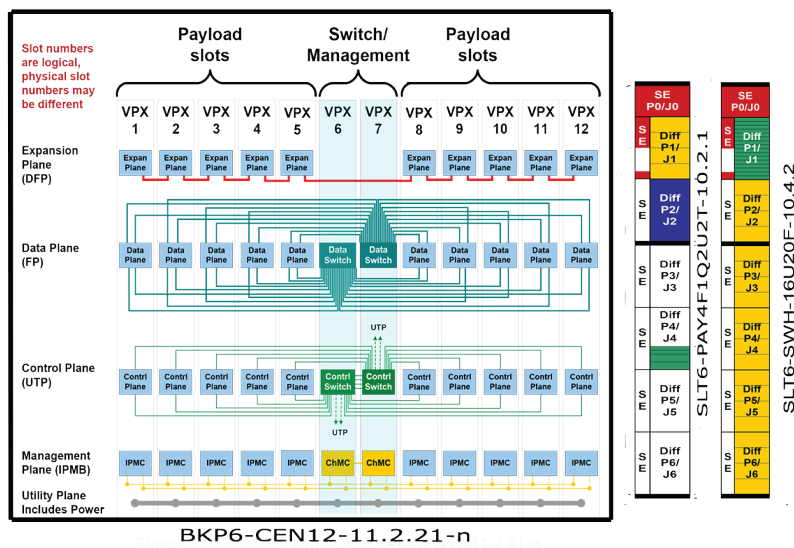


Backplanes

## Line Drawing



## Backplane Topology



## Order Information

Height	Total Slots	Description	Profile Number	Part Number
6U	12	VPX Dual Star with data plane and control plane switches channel Gbaud rate up to 10	BKP6-CEN12-11.2.21-5	1OVX612FZM-1X01

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