

VPX-C-FRAME Development Platform

8U/11U, 6 slot, 64 HP Wide

NEW

VITA 46.11 compliant System Manager



Features

- Accommodate up to 6 front and rear boards with max 1.4" pitch
- Modular construction accommodates 3U and 6U VPX form factors
- 2 product lines that support 3U and 6U VPX cards
- Conduction and Convection slot Cooling Options
- Push Pull cooling with 2 lower and 2 upper fans
- 2x 6U and 2x 3U power supply options
- Integrated AC power supply: 900W (1150W optional)
- VPX and OpenVPX Backplanes with **Air-/Plane** technology up to 100G
- Comprehensive stand-alone monitoring solution:
 - Voltage sensors
 - Current sensors
 - Fan tachometer sensors
 - Graphical display to show sensor data in real time
- Fan speed manually controllable from the front panel
- VPX ready Chassis Manager based on Pigeon Point Systems SHMM700 module (optional)
- Chassis Manager pluggable from the rear, 3U VPX form factor
- Chassis Manager can be used in a regular 3U VPX slot
- Shelf Manager High Reliability Bussed IPMB shared among all slots
- AC On/Off switch at the back to de-energize the entire chassis
- DC On/Off switch at the front to disable VPX slots' power
- Side handles for carrying

Accessories

- 3U side walls
- 6U side walls
- 900W or 1150W PSU
- VPX Chassis Manager (ChMC)

Benefits

- Extremely flexible to configure
- Allows for fitting any type of customized VPX backplane
- Options to configure DC voltage rails to meet VPX card specifications

Dimensions

Height	488mm/354.6mm	(8U/11U)
Width	325mm	(with ears 484.0mm)
Depth	390mm	
Weight	14 kg	Color: Black (powder)

Specifications

- | | |
|----------------------------|-----------------------------------|
| ▪ ANSI/VITA 46.0 | VPX Baseline Standard |
| ▪ ANSI/VITA 46.x | VPX Subsidiary Standards |
| ▪ ANSI/VITA 46.11 | VPX: System Management |
| ▪ ANSI/VITA 65 | Open VPX Standard |
| ▪ ANSI/VITA 66.x | VPX Optical Interconnect Standard |
| ▪ ANSI/VITA 67.0x Standard | VPX Coaxial Interconnect |

VPX-C-FRAME Development Platform Components

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Fan Tray

- 2 fans under the card cage and 2 fans above the card cage; push-pull cooling
- Tachometer sensors are monitored and displayed
- Fan speed can be manually set up with push buttons on the front panel
- Powerful fans, each 165 CFM

Card Cage

- Convection cooled card guides
- Optionally Conducted cooled card guides
- Slot pitch supports 0.8", 1", and 1.4"

Power Supply

- For 3U System 2 options are available:
 - 12V@1A Standby, 3.3V@40A, 5V@40A, 12V@37A
 - 3.3V@40A, 5V@59A, 12V@40A
- For 6U System 2 options are available:
 - 12V@1A Standby, 12V@20A, 5V@40A, 12V@37A
 - 12V@18A, 5V@59A, 12V@40A
- In addition, an independent PSU serves the 3.3V@6A AUX rail
- Additional power rail: -12V@2A is generated from +12V

Chassis Management

- Stand-alone management module to read and display sensors
- Current and Voltage sensors on +12V, +5V, and +3.3V
- Independent tachometer sensors for each fan
- Independent PWM output for each fan
- Chassis Front Panel Push Buttons:
 - Increase Fan Speed
 - Decrease Fan Speed
 - Display Control
- Chassis Front Panel Status LEDs:
 - Error
 - STBY Power
 - Local Power
- Optionally VITA 46.11 VPX Chassis Manager (ChMC)
- ChMC Carrier board based on Pigeon Point Systems Shmm700 module
- ChMC Front panel interfaces:
 - RS-232
 - Ethernet Front panel indication:
 - SHMM700 Status LEDs
- IPMB Configuration: Bussed
- Chassis sensor are accessible via ChMC