



SCVPX6U-5D

6U VPX Starter Cage (5 slot)

The SCVPX6U-5D OpenVPX Starter Cage from Abaco Systems provides a flexible, cost-effective platform designed to support Abaco's latest 6U OpenVPX modules. The platform is suitable for hardware and software evaluation plus higher levels of integration, test and demonstration.

Abaco's range of Starter Cages allow system integrators to evaluate products in a laboratory environment, secure in the knowledge that the same cards can be ordered in different ruggedization styles to meet the demands of many deployed environments, from benign air cooled, to fully rugged conduction cooled.

The SCVPX6U-5D comprises a 5-slot backplane, card cage, PSU, cooling fan, provision for auxiliary storage and all internal power wiring.

The card cage incorporates guide rails and alignment keys on the backplane to assist with correct board insertion. Once installed, cards can be firmly secured by front panel fixing screws. Cooling is by push convection, using a fan at the bottom of the card cage. Airflow is adjustable by a front panel knob.

With the boards accessible from the front of the enclosure, to allow easy access to rear I/O, the area behind the entire backplane is kept free. This allows easy fitting of Abaco's range of Rear Transition Modules (RTMs) and any associated cabling.

FEATURES:

- Backplane complies with VITA 46.0 and ANSI/VITA 65-2010
- Five 6U VPX slots
- Payload Slot Profile SLT6-PAY-4F1Q2U2T-10.2.1
- IEEE Std 1101.10-compliant card frame
- 750W auto-ranging Power Supply
- Adjustable forced-air cooling
- Configurable rear and front I/O panels
- Removable side panels
- System reset switch

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Specifications

Form Factor

- 7U height
- 84HP width

Cooling

- The chassis includes a 127 CFM fan below the card edge to force air over the boards

6U VPX Backplane

- 5-slot 6U VPX
- 1" pitch slot width

Rear I/O

- Each board has slots for Rear Transition Modules (RTMs) to break out into standard commercial connectors

Temperature

- The chassis is designed for benign lab use only

Hard Drive connectivity

- The chassis provides a bundle of auxiliary power connectors for powering up to four external IDE hard disk drives and up to two SATA devices. These are available in the base of the chassis as a loose wiring harness.

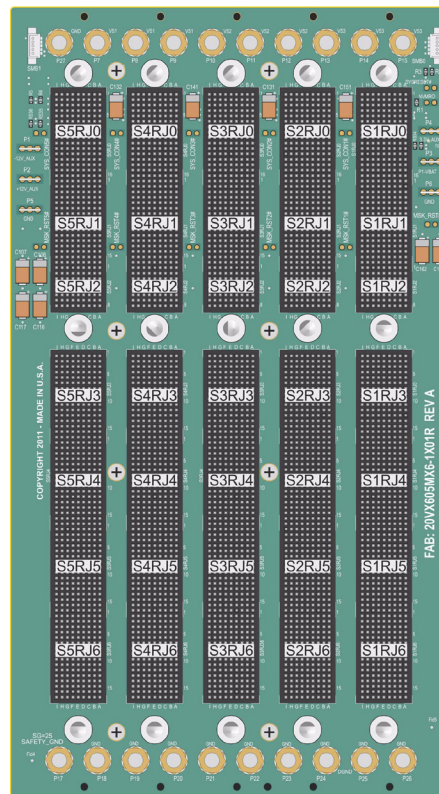
Dimensions

- 254mm x 513mm x 299mm (WxHxD)
- Weight 10.8 Kg (22.5 lbs.)

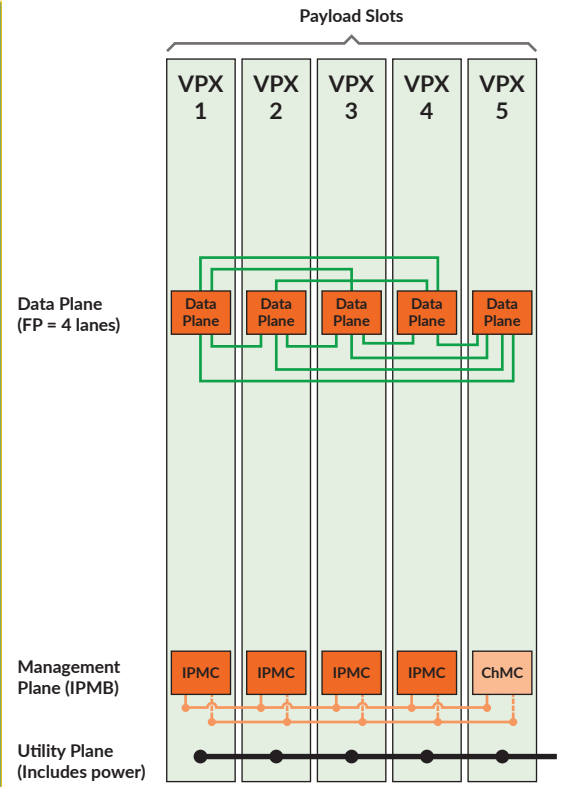
PSU Output Capacities

Output Voltage	SCVPX6U-5D Reference	Maximum Load (Amps)
+12V	Vs1	62
+3.3V	Vs2	25
+5V	Vs3	25
+12V	P12V_AUX	62
-12V	N12V_AUX	0.8
+5VSTBY	P3V3_AUX	2.5

Block diagram



Backplane Layout



Backplane Topology



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