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WHEN ACCURACY MATTERS

ProDAQ VXI Mainframes

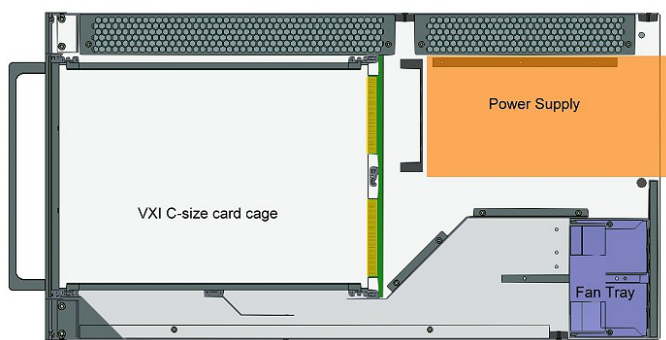## ProDAQ 1630 13-Slot Smart VXIbus Chassis

OVERVIEW

The ProDAQ 1630 chassis is a compact design with high density and highly sophisticated modular designed power supplies. The power supply features medium output power up to 2.5 kW, with extremely low noise and ripple (PARD). The 8U, 13-slot chassis offers superior cooling due to an efficient air guiding system. The fan tray has three efficient DC fans, situated at the lower rear side in a removable fan tray. The alphanumeric display and the Ethernet port allow for both local and remote monitoring of all supply voltages, fan speeds and temperatures.

Cooling

The ProDAQ 1630 features a 3U fan tray in the rear of the chassis, a 1U compression chamber below the VXI card cage and a 1U exhaust above the card cage.

The fan tray hosts three individually controlled long-life DC fans with an adjustable speed between 1200 and 3600 rpm.

Power Supply

The micro-processor controlled power supply features an auto-range AC input with power factor correction and is protected against any failure such as over- and under-voltage, over-current, over-temperature and shorts to ground as well as shorts between supplies.

Monitoring

The ProDAQ 1630 features an alphanumeric display for local monitoring and an Ethernet port for remote monitoring. The embedded Web page can be accessed with any standard browser. A C/C++ based driver allows monitoring access from applications.

Features & Benefits

▶ **19 in. x 8U** enclosure for 13 VXI modules

▶ **VXI-1 Rev. 4 compliant** 13 slot VXI backplane, 5-row **J1/J2** and 8 layer **PCB**

▶ Active **termination** and active **automatic daisy-chain**

▶ **Remote monitoring**

For more information,
visit **www.bustec.com**.

Learn more about the
ProDAQ 1630 on our website
by scanning the code below.

SPECIFICATIONS

GENERAL

Number of Slots	13 C-size VXI

BACKPLANE

Monolithic 13 slot VXI-1 rev. 4 compliant backplane, 5-row J1/J2, 8 layer PCB, active termination and active automatic daisy-chain

COOLING

Cooling Capacity	2.5 kW
Number of Fans	3
Fan Speed	1200 to 3600 rpm

MONITORING

Interface Type	100 Mbit Ethernet
Protocols	HTML (Embedded Web Page)
	SNMP (Remote Monitoring)
Available Information	Fan Speed
	Voltage/current per supply
	Temperature

ELECTRICAL PERFORMANCE

	Voltage (V)	Current (A)
Available Current (max.)	1630-AA	
	+24	15
	+12	23
	+5	115
	+2	45
	-5.2	45
	-12	23
	-24	15
	1630-AB	
	+24	23
	+12	23
	+5	115
	+2	45
	-5.2	45
	-12	23
	-24	23

Available Power	1630-AA
	1000 W @ 110 VAC
	2100 W @ 230 VAC
	1630-AB
	1200 W @ 110 VAC
	2500 W @ 230 VAC
Input	100 - 240 V AC
	50-60 Hz
	max. 16A
Protection	All voltages are protected against over- and under-voltage, over-current, over-temperature and shorts.

PHYSICAL CHARACTERISTICS

Dimensions	19 in. x 8U x 590 mm
Weight	38 kg

WARRANTY PERIOD

12 months (extended periods available at additional cost)

Ordering Information

▶ **1630-AA** 2.1 kW 13-slot smart VXIbus chassis

▶ **1630-AB** 2.5 kW 13-slot smart VXIbus chassis

Related Products

▶ **VXIbus Slot-0** interfaces and controllers

▶ **3180-AA** Ultra-performance motherboard module

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