OpenVPX Open Frame Dual Depth Chassis

VPXD1800, VPXD1810

VPXD18X0 KEY FEATURES

- Open frame dual depth development chassis
- Supports VITA 78 SpaceVPX applications
- Supports up to 4x OpenVPX 6U boards at 160mm depth and 4x at 220mm depth
- Version for 3U OpenVPX boards available upon request
- VITA 66 (Optical) and VITA 67 (RF) versions available
- Card guides can be adjusted in .2" increments to accept various slot pitches
- Optional conduction-cooled module card guides in various depths and widths
- 160mm side has 1x 165 CFM fan, 220mm side has 2x 165 CFM fans
- PSU options up to 1200W
- Convenient carry handle

The VPXD18X0 are dual depth open frame chassis, ideal for testing and development of SpaceVPX or other OpenVPX systems that utilize 160mm and/or 220mm depth boards. Pixus Technologies has various VPX backplanes sizes/ configurations available. Rear Transition Module (RTM) slots can also be plugged into the open frame enclosure.

The VPXD18X0 have AC or DC PSU options up to 1200W. Contact Pixus if your payload power is above 1000W for optimal cooling options. The chassis comes with a convenient carry handle.

Card guides are available in standard air-cooled or to hold conduction-cooled boards in 160mm or 220mm depths. There are also conduction-cooled card guides that support the wider spacing of VITA 78 SpaceVPX.

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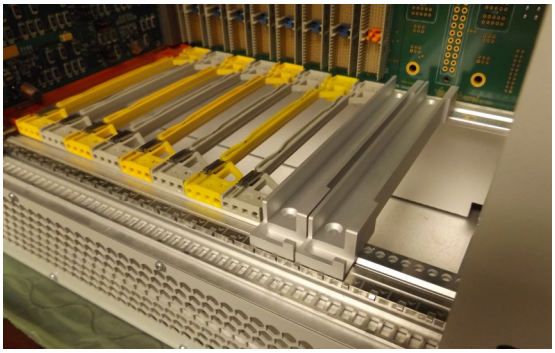
SPECIFICATIONS

Architecture		
Physical	Dimensions	~9U (without carry handle) for VPXD0800. ~6U (without carry handle) for the VPXD0500
		Width: 8.92" outer, 8.60" inner (max recommended usable space is 8.0" for cabling, etc)
		Depth ~11"
Type	OpenVPX Chassis	Up to eight 6U OpenVPX slots (at 1.0" pitch)
Standards		
OpenVPX	Type	VITA 65, VITA 46
Configuration		
Power	VPXD18X0	Up to 1200W supply AC (DC options available)
		110-240AC with frequency from 47-63Hz and DC –36V to -72V
Environmental	Temperature	Operating Temperature: 0° to 55°C
		Storage Temperature: -40° to +70°C
	Altitude	10,000ft operating
		40,000ft. Non-operating
	Relative Humidity	5 to 95 percent, non-condensing
Conformal Coating		Humiseal 1A33 Polyurethane
		Humiseal 1B31 Acrylic
Other		
MTBF	MIL Handbook 217-F@ TBD Hrs.	
Certifications	Designed to meet FCC, CE and UL certifications where applicable	
Standards	ISO9001:2000 and AS9100B:2004 standards	
Compliance	RoHS and NEBS	
Warranty	Two years	
Trademarks and logos	The Pixus Logo is a registered trademark of Pixus Technologies Inc. other registered trademarks are the property of their respective owners. Specs. subject to change without notice.	

CONDUCTION COOLED CARD GUIDES



The conduction-cooled card guides allow modules with wedge locks to be plugged into the enclosure.

ULTRAMOD POWER SUPPLIES FOR OPENVPX

Model	Vnom (V)	Set Point Adjust Range (V)	Dynamic Vtrim Range (V)	Imax (A)	Power (W)	Remote Sense	Power Good
XgA	12.0	10.8-15.6	-	12.5	150	-	-
XgB	24.0	19.2-26.4	-	8.3	200	-	-
XgC	36.0	28.8-39.6	-	5.6	200	-	-
XgD	48.0	38.5-50.4	-	4.2	200	-	-
XgE/Xg7	24.0	5.0-28.0	-	5.0	120	-	Yes
XgF/Xg8	24.0 24.0	5.0-28.0 5.0-28.0	- -	3.0 3.0	72 72	- -	Yes Yes
XgG	2.5	1.5-3.6	1.15-3.6	40.0	100	Yes	Yes
XgH	5.0	3.2-6.0	1.5-6.0	36.0	180	Yes	Yes
XgJ	12.0	6.0-15.0	4.0-15.0	18.3	220	Yes	Yes
XgK	24.0	12.0-30.0	8.0-30.0	9.2	220	Yes	Yes
XgL	48.0	28.0-58.0	8.0-58.0	5.0	240	Yes	Yes
Xg1	2.5	1.5-3.6	1.15-3.6	50.0	125	Yes	Yes
Xg2	5.0	3.2-6.0	1.5-6.0	40.0	200	Yes	Yes
Xg3	12.0	6.0-15.0	4.0-15.0	20.0	240	Yes	Yes
Xg4	24.0	12.0-30.0	8.0-30.0	10.0	240	Yes	Yes
Xg5	48.0	28.0-58.0	8.0-58.0	6.0	288	Yes	Yes

UltraMod powerPacs

	Model	Slots	Power	Medical Approval UL/EN60601-1 3rd edition	Industrial Approval UL/EN60950 2nd edition
UX	UX4	4	600W	Yes	Yes
	UX6	6	1200W	Yes	Yes

Pixus typically uses the UltraMod power supplies in the development enclosures. However, other PSUs are available upon request or as technical requirements specify.

VITA 62 Power Interface Board Option

- Single or dual VITA 62 PSU options
- 3U and 6U versions available
- Header for Sense, Share, and CMM signals

Rear photo and reverse angle examples

Pixus offers various backplane configurations for VITA 66 and 67. Contact Pixus for details and ordering information.

ORDERING OPTIONS

(6U Boards): VPXD1800-ABC-D0F-XX
(3U Boards): VPXD1810-ABC-D0F-XX

A = Power Type

- 0 = no PSU
- 1 = Reserved
- 2 = 600W AC (standard)
- 3 = 1200W AC (standard)
- 4 = 600W DC
- 5 = Other

B = 160mm Depth Slots

- 0 = 0 slots
- 1 = 1 slot
- 2 = 2 slots
- 3 = 3 slots
- 4 = 4 slots
- 5 = Other

C = 220mm Depth Slots

- 0 = 0 slots
- 1 = 1 slot
- 2 = 2 slots
- 3 = 3 slots
- 4 = 4 slots
- 5 = Other

D = Backplane RTM Load

- 0 = No RTM connectors installed
- 1 = Partially loaded RTMs
- 2 = All RTM connectors loaded
- 3 = Other

F = Card Guides

- 0 = Standard card guides
- 1 = Conduction cooled module card guides, for VITA 46/48 spacing
- 2 = Conduction cooled module card guides, wider for VITA 78 spacing
- 3 = Custom (mix of standard and conduction-cooled card slots)

2 digit customization code

Blank = standard, no customization