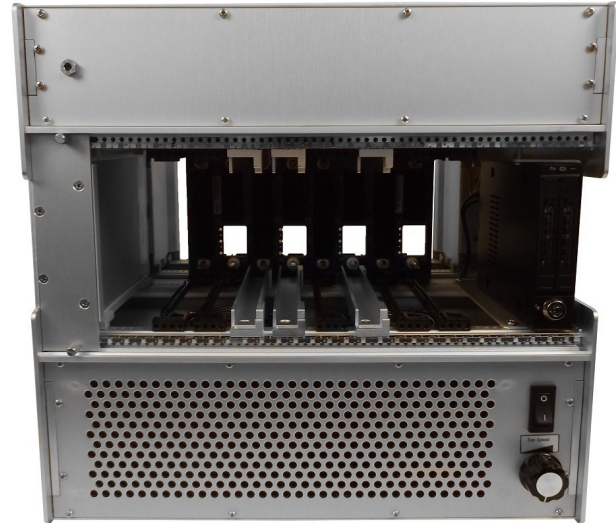
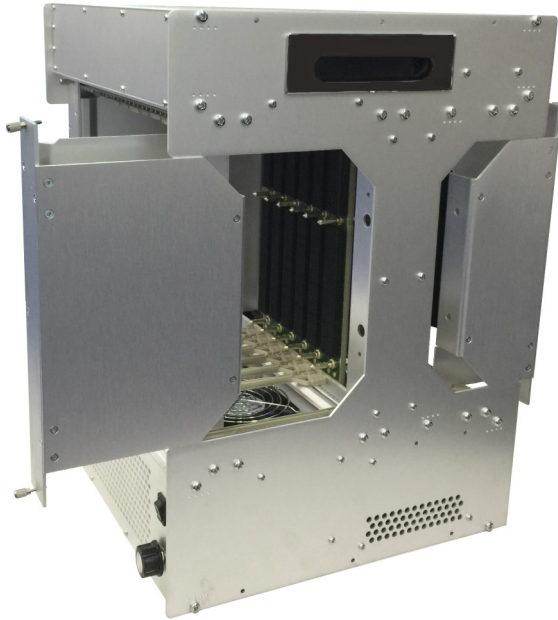


OpenVPX Open Frame Development Chassis With Removable Sidewalls



VPXD1000R, VPXD1100R



VPXD1x00R KEY FEATURES

- Open Frame Development Chassis With Removable Sidewalls
- Up to ten 3U or 6U OpenVPX slots at 1.0" pitch or twelve slots at 0.8" pitch (twelve slots at 1.0" pitch if sidewalls are not installed)
- SOSA™ aligned and VITA 66/67 backplanes available
- Card guides can be adjusted in .2" increments to accept various slot pitches
- Optional conduction-cooled module card guides
- Optional VITA 62 power interface boards
- Up to 120 CFM fan cools front slots and RTMs (Higher options available upon request)
- PSU options up to 1200W
- Convenient carry handles
- Fan control knob to increase/decrease air-



The VPXD1x00R is an 63HP wide (12.8") open frame chassis, ideal for testing and development of VPX systems. Pixus Technologies has various VPX backplanes sizes/configurations available. Rear Transition Module (RTM) slots can also be plugged into the open frame enclosure.

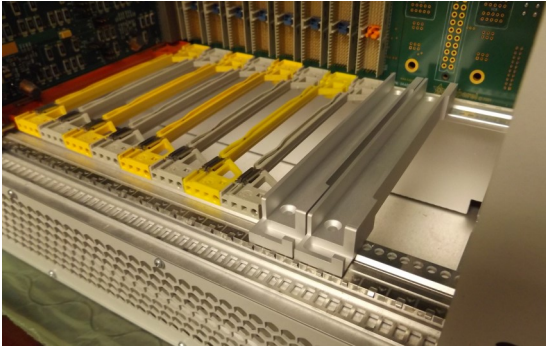
The VPXD1x00R has AC or DC PSU options up to 1200W. The chassis comes with convenient carry handles and options for variable speed fan control.

Pixus Technologies' products leverage Rittal's sleek European quality mechanical designs without the hefty price tag. Customers enjoy proven, time-tested designs that are built in one of the largest manufacturing centers for electronics packaging in the world. With Pixus' subsystem integration expertise, the result is the best value in the industry for electronics enclosure systems.

SPECIFICATIONS

Architecture		
Physical	Dimensions	~17.2" for 6U board version , ~ 11.8" for the 3U board version
		Width: ~12.8" Max opening for backplane with sidewalls installed 11.0" (recommended max usable is 10.2") Without sidewalls installed, max opening is 12.8" (recommended max usable is 12.0")
		Depth ~11"
Type	OpenVPX Chassis	Up to eight 6U OpenVPX slots (at 1.0" pitch)
Standards		
OpenVPX, SOSA	Type	VITA 65, VITA 46, SOSA
Configuration		
Power	VPXD1x00R	Up to 1200W supply AC (DC versions 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	ISO9001:2015 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)	I _{max} (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	5.0-28.0	-	3.0	72	-	Yes
	24.0	5.0-28.0	-	3.0	72	-	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	Approval	
			Medical Approval UL/EN60601-1 3rd edition	Industrial Approval UL/EN60950 2nd edition
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.

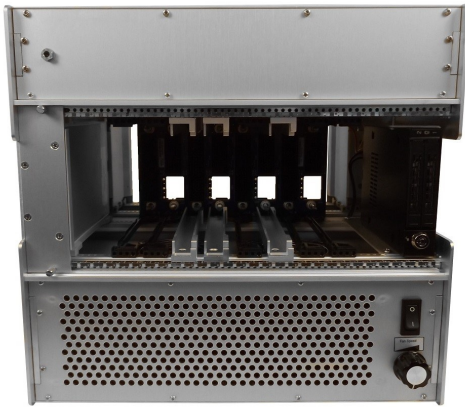
Pixus will select the UX sub-modules based on the power per rail that you require and ensure that we provide ample wattage with overhead. We install a separate small PSU for fans in the chassis to reduce noise. The noise level for all rails on the UltraMod PSUs is guaranteed to be no more than the greater of 1% or 100mv.

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
- Option to use in conjunction with Pixus fixed modular PSU and switch between the two

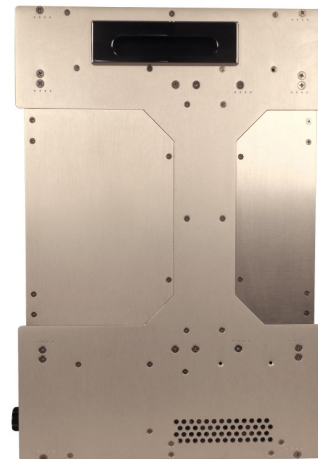
3U Unit with VITA 67.3c Cutouts, SOSA profile



6U Unit Without Sidewalls Installed



6U Unit With Sidewalls Installed



ORDERING OPTIONS

0 = for 6U boards
1 = for 3U boards

VPXD1X00R-ABC-DEF-XX

A = Power Type

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

2 digit customization code

Blank = standard, no customization

B = Backplane Payload slots (Not including PSUs)

- | | |
|--|------------------|
| 0 = 2 slots | 1 = 5 slots |
| 2 = 6 slots | 3 = 7 slots |
| 4 = Other | 5 = No backplane |
| 6 = 3 slots | 7 = 1 slot |
| 8 = 8 slots | 9 = 9 slots |
| X = backplane connectors are not loaded in all slots | |

C = Backplane RTM Load

- 0 = No RTM connectors
- 1 = RJ2-RJ6 loaded all slots
- 2 = All RTM connectors loaded
- 3 = Other

DE = Backplane Configuration

- | | |
|--|-------------------------|
| AA = BKP3-CEN03-15.2.9 | BA = BKP3-DIS05-15.2.13 |
| BB = BKP3-DIS06-15.2.7 | BC = BKP3-DIS06-15.2.14 |
| BD = BKP3-DIS02-15.2.8 | BG = BKP3-CEN07-15.2.3 |
| CC = BKP6-CEN05-11.2.5 | CD = BKP3-CEN06-15.2.2 |
| PG = Power and Ground Backplane | |
| XX = Other, consult factory for available configurations and 2-digit number code | |

F = Card Guides

- 0 = Standard card guides
- 1 = Conduction cooled module card guides
- 2 = Custom (mix of standard and conduction-cooled card slots)