piXus TECHNOLOGIES

19" Rackmount, Vertical-mount

RITTAL

KEY FEATURES

- Modular 19" rack-mounted system for vertical installation of 3U boards (Eurocard format standard)
- 4U bottom to top cooling standard, 4U rear evacuative or 5U front-to-rear optional
- Clear chromated aluminum / Including backplane and power supply unit / Fully assembled, wired and tested
- Installation space for up to 21 slots at 0.8" pitch (typical Eurocard board spacing)
- Modular card guides to accept different board pitches
- 3U backplanes in OpenVPX, CompactPCI Serial, CompactPCI, VME64x or custom
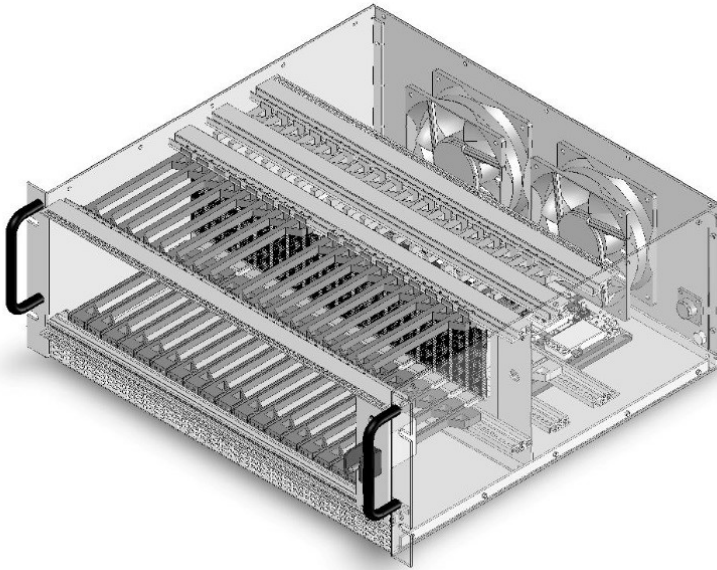- System management options

4U to 5U rack-mounted enclosure with 482.6 mm (19") mounting brackets (may be offset approximately 100 mm to the rear). Up to 21 slots at 0.8" pitch with rear plug I/O options. Enclosure cooling in various formats with EMC and ESD-compatible configuration. Optional: Hot swap-compatible power supply units with current splitting for redundancy operation. Conforms to IEEE 1101.1/10/11,

Modifications or custom solutions are available. The Pixus system specialists will assist you with planning and configuration.

SPECIFICATIONS

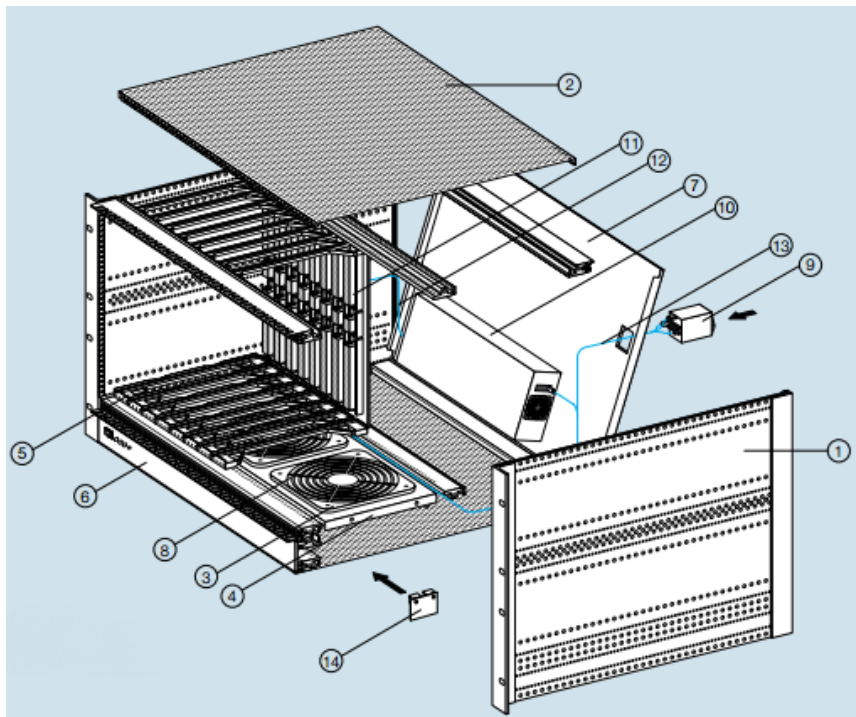| Architecture		
Physical	Dimensions	4U or 5U height (1U = 1.75 in), 19" rackmount (~ 17.8" actual width)
	Depth	300mm
PCB Depth	Front Rear	160mm 80mm
Standards		
CompactPCI VME64x OpenVPX	Backplane Type	CompactPCI Spec. 2.0, Rev 3.0 VITA 1.1—1997 VITA 65—2010 (R2012)
Configuration		
Power	Type	Up to 500W supply AC or DC, Redundant power connection optional
		240V AC with frequency from 47-63Hz and DC –36V to -72V
Environmental	Temperature	0 C to 55 C standard, industrial version to 70 C optional
		-40 C to 70 C non-operational temperature
	Altitude	10,000 ft operational
		40,000 ft non-operational
	Relative Humidity	5 to 95% non-condensing
Conformal Coating	Type	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	
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.	

Rear Evacuative Cooling Example

Bottom to Top Cooling Example (7U configuration shown)

MECHANICAL SUPPLY INCLUDES:

- Ripac subrack system
- EMC gaskets
- Covers
- Card guides
- ESD clips for PCB ESD wipe
- Front panel hinged for RiCool access
- Front panel for air intake/ filter
- Air filter, front removable
- Rear panel with IEC AC connector
- PSU in various options
- Backplane in various options

ORDERING OPTIONS

EUR3V-ABC-DDEF

A = Power Type

0 = Not required
1 = Single AC
2 = Dual AC
3 = Single DC
4 = Dual DC
5 = Other

B = Power Level

0 = N/A
1 = 175W
2 = 250W
3 = 300W
4 = 400W
5 = 500W
6 = Other

C = Backplane Type

0 = Not required
1 = CompactPCI
2 = VME64x
3 = OpenVPX
4 = CompactPCI Serial
5 = Other

D = Backplane Slots

XX = N/A
   = 02 to 21

E = Cooling Configuration

0 = Bottom to top (standard 4U)
1 = Front to rear (4U)
2 = Front to rear (5U)

F = Conformal Coating

0 = Not required
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic

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