SlimBox—19" Rackmount

pixus TECHNOLOGIES

RITTAL

KEY FEATURES

- Slimline sheet metal solution, economical design
- 19" rackmount with rear IO
- 1U-4U heights, 300mm deep
- 2-8 slot backplane—CompactPCI Serial, CompactPCI,VME64x, OpenVPX, custom
- Horizontal mount with pluggable (or fixed) power supplies
- 5V and 12V power typical, 3.3V options available
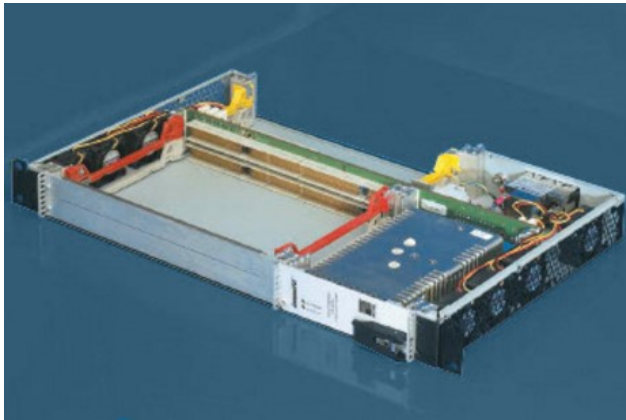- Side-to-side cooling configuration

1U to 4U rack-mounted enclosure with 482.6 mm (19") mounting brackets (may be offset approximately 100 mm to the rear). Two backplane slots can fit in each 1U of chassis height (standard 0.8" pitch) with rear plug I/O options. Enclosure cooling from left to right with EMC and ESD-compatible configuration. Optional: Hot swap-compatible power supply units with current splitting for redundancy operation (2U). Conforms to IEEE 1101.1/10/11,

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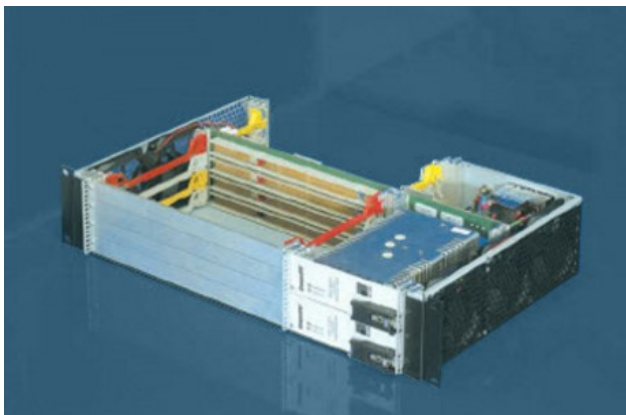
SPECIFICATIONS

Architecture		
Physical	Dimensions	1U-4U height (1U = 1.75 in), 19" rackmount (~ 17.8" actual width)
	Depth	300mm
PCB Depth	Front Rear	160mm 80mm
Standards		
CompactPCI CompactPCI Serial VME64x OpenVPX	Backplane Type	CompactPCI Spec. 2.0, Rev 3.0 CPCI-S 1.0 Rev 2.0 VITA 1.1—1997 VITA 65—2010 (R2012)
Configuration		
Power	Type	Up to 400W 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.	

1U Chassis Photo example — inside

MECHANICAL SUPPLY INCLUDES:

- Subrack system
- EMC gaskets
- Covers
- Card guides
- ESD clips for PCB ESD wipe
- Fans in push/pull configuration
- Air filter, front removable
- Rear panel with IEC AC connector
- Pluggable PSUs
- Backplane in various options

2U Chassis Photo example — inside

Power interface and rear I/O close-up examples

ORDERING OPTIONS

H = Height (1U-4U)
1 = 1U, etc

EUR19H-ABC-DE

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 = Other

C = Backplane Type

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

D = Backplane Slots

0 = N/A
2 = 2 Slots
4 = 4 Slots
6 = 6 Slots
8 = 8 Slots
X= Other

E = Conformal Coating

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