

PXS0112 MicroTCA to 12 Slots



μ TCA[®]

PXS0112 KEY FEATURES

- μ TCA[®] System Platform based on the PICMG[®] MicroTCA.0 R1.0 specification
- 19" x 1U x up to 23.6" deep
- RoHS compliant
- Redundant or non-redundant backplane configurations available
- AMCs are hot swappable
- In redundant configuration, MCH fail-over support and MCHs are hot swappable
- Superior cooling configuration for airflow with a push-pull, side-to-side configuration
- Up to 12 AMCs (Mid-height) in a 1U chassis

The PXS0108 is a versatile MicroTCA[®] chassis ideal for a wide range of embedded applications including industrial and defense applications. Enhanced ruggedization options are available for defense applications.

The PXS0112 has AMC slots plugging from both the front and the rear of the enclosure for maximum density. Up to 12 AMC slots are available in multiple configurations. There are also integrated shelf manager options with various port configurations.

The PXS0112 has configuration options that allow redundant power supplies, backplane topologies and FRU information devices.

Pixus Technologies can modify this product to meet specific customer requirements without NRE (minimum order placement is required).

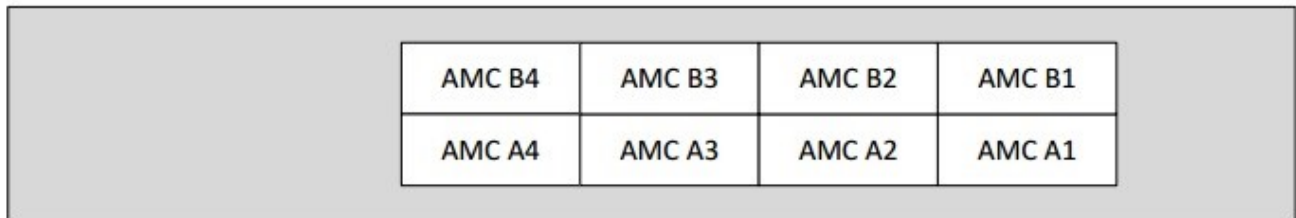
Power

The PXS0112 provides for a maximum of 650/850W per supply AC or DC 396/796W of 12V power for the entire chassis.

Slot Configuration

The following figures outline the slot configurations for option E = 2 for a total of 12 slots.

Front View



Rear View



Specifications

Architecture		
Physical	Dimensions	Height 1U (1.75")
		Width: 19"
		Depth 23.6" (600mm)
Type	μ TCA Shelf	1 MCH + up to 12 (Mid-height) AMCs
Standards		
PICMG	Type	MicroTCA.0 R1.0
Configuration		
Power	PXS0112-X1	796W DC (36V—72V) 13 Amps Maximum
	PXS0112-X2	850W AC (90V—264V) 6 Amps Maximum
		Dual redundant or non-redundant
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		Upon request (See page 4 selection "J" for available options)
Other		
MTBF	MIL Handbook 217-F @ TBD Hrs.	
Certifications	Designed to meet FCC, CE and EN/UL/TUV certifications where applicable	
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.	

Ordering Options

PXS0112-0BC-DEF-00J Not used

B = Power

- 1 = DC Redundant
- 2 = AC Redundant
- 3 = DC Non-Redundant
- 4 = AC Non-Redundant
- 5 = AC/DC Redundant

C = CLK3

- 1 = Non-redundant (Telco)
- 2 = Non-redundant (Fabric CLK)
- 3 = Redundant

D = Ports 2 and 3

- 1 = To MCH
- 2 = Direct Connection

E = Slot Configuration

- 1 = 6 Front AMCs, 4 Rear (10 Total)
- 2 = 8 Front AMCs, 4 Rear (12 Total)
- 3 = Other

F = Backplane Fabric

- 1 = x8 PCIe (Ports 4-11)
- 2 = x8 GbE (Ports 4-11)
- 3 = x4 PCIe (Ports 4-7), x4 GbE (Ports 8-11)
- 4 = Other

J= Conformal Coating

- 0 = None
- 1 = Humiseal 1A33 Polyurethane
- 2 = Humiseal 1B31 Acrylic

