2U μTCA® Horizontal Chassis, Rear Cavity

PXS0207 7-12 Slot MicroTCA

PXS0207 KEY FEATURES

- μTCA® System Platform based on the PICMG® MicroTCA.0 R1.0 specification
- 19” x 2U x 24.6” deep with cavity for specialty devices
- RoHS compliant
- Redundant or non-redundant backplane configurations available
- AMCs are hot swappable
- In redundant configuration, MCH have fail-over support and are hot swappable
- Superior cooling configuration for airflow with a push-pull, side-to-side configuration
- Maximum 850W redundant or non-redundant power
- Rear access panel is standard
- Support for cabinet guide rails
- Seven full-size AMC slots standard, with options to twelve mid-size slots

The PXS0207 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 PXS0207 is an extra deep MicroTCA chassis with a cavity for mounting various devices, including RF modules. Various mounting options are available. The chassis has configuration options that allow redundant power supplies, backplane topologies and FRU information devices.

The 2U MicroTCA chassis has 7 full-size AMC slots standard (with one MCH) and provides options up to 12 mid-size AMC slots. There are 5 fans on each side of the card cage in a push-pull configuration.

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

The PXS0207 provides for a maximum of 850W AC (796W DC) of 12V redundant or non-redundant power for the entire chassis.

**Cooling**

The PXS0207 has hot swappable fan trays located on the sides of the card cage in a push-pull configuration. Each tray holds 5 fans. Airflow is from right to left.

**Image of Rear Cavity Example**

![Image of Rear Cavity Example](image-url)
## Specifications

<table>
<thead>
<tr>
<th><strong>Architecture</strong></th>
<th><strong>Dimensions</strong></th>
<th>Height 2U (3.50”)</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>Width: 19”</td>
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<td></td>
<td></td>
<td>Depth 24.60”¹ (625mm, 650mm with handles)</td>
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<tr>
<td><strong>Type</strong></td>
<td>uTCA Shelf</td>
<td>1 MCH + 7 (Full-height) AMCs standard</td>
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</table>

| **Standards**    | **Type**      | MicroTCA.0 R1.0 |

| **Configuration**| **Power**     | PXS0207-X1 796W DC (36V—72V) 13 Amps Maximum |
|                  |               | PXS0207-X2 850W AC (90V—264V) 6 Amps Maximum |
|                  | Temperature   | Operating temperature: 0° to 55°C |
|                  | Altitude      | 10,000ft operating |
|                  |                | 40,000ft. non-operating |
|                  | Relative humidity | 5 to 95 percent, non-condensing |
| **Environmental**| **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** | **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

PXS0108-0BC-DEFG-H0J

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 = AMC Sizes
1 = 7 full-size AMCs (Standard)
2 = 7 mid-size AMCs
3 = 12 mid-size AMCs
4 = Other

F = MCH Options
1 = Single MCH (6 AMC available)
2 = Dual redundant (4 AMC available)

G = 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

H = Slot Configuration
1 = 8 slots (standard)
2 = 10 slots
3 = 12 slots
4 = Other

J = Conformal Coating
0 = None
1 = Humiseal 1A33 Polyurethane
2 = Humiseal 1B31 Acrylic