Eurocard Chassis for 3U Boards

19” Rackmount, Vertical-mount

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

<table>
<thead>
<tr>
<th>Architecture</th>
<th>Physical Dimensions</th>
<th>4U or 5U height (1U = 1.75 in), 19” rackmount (~ 17.8” actual width)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Depth</td>
<td>300mm</td>
</tr>
<tr>
<td>PCB Depth</td>
<td>Front</td>
<td>160mm</td>
</tr>
<tr>
<td></td>
<td>Rear</td>
<td>80mm</td>
</tr>
<tr>
<td>Standards</td>
<td>Backplane Type</td>
<td>CompactPCI Spec. 2.0, Rev 3.0</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VITA 1.1—1997</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VITA 65—2010 (R2012)</td>
</tr>
<tr>
<td>Configuration</td>
<td>Power Type</td>
<td>Up to 500W supply AC or DC, Redundant power connection optional</td>
</tr>
<tr>
<td></td>
<td></td>
<td>240V AC with frequency from 47-63Hz and DC –36V to -72V</td>
</tr>
<tr>
<td>Environmental</td>
<td>Temperature</td>
<td>0 C to 55 C standard, industrial version to 70 C optional</td>
</tr>
<tr>
<td></td>
<td></td>
<td>-40 C to 70 C non-operational temperature</td>
</tr>
<tr>
<td></td>
<td>Altitude</td>
<td>10,000 ft operational</td>
</tr>
<tr>
<td></td>
<td></td>
<td>40,000 ft non-operational</td>
</tr>
<tr>
<td></td>
<td>Relative Humidity</td>
<td>5 to 95% non-condensing</td>
</tr>
<tr>
<td>Conformal Coating</td>
<td>Type</td>
<td>Humiseal 1A33 Polyurethane</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Humiseal 1B31 Acrylic</td>
</tr>
<tr>
<td>Other</td>
<td>MTBF</td>
<td>MIL Handbook 217-F@ TBD Hrs.</td>
</tr>
<tr>
<td></td>
<td>Certifications</td>
<td>Designed to meet FCC, CE and UL certifications where applicable</td>
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<tr>
<td></td>
<td>Compliance</td>
<td>RoHS</td>
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<tr>
<td></td>
<td>Warranty</td>
<td>Two years</td>
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<tr>
<td>Trademarks and logos</td>
<td>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.</td>
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</tr>
</tbody>
</table>
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
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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