



### PART NUMBER: 3U-PER-5PGIGHOST

Equipped with five independent Intel I210 industrial temperature range gigabit Ethernet controllers, each requiring a PCI Express® x1 lane which is provided by a PCI Express® Gen2 packet switch. The downstream ports operate at 2.5GT/s, fully sufficient for the 1Gbps Ethernet data transfer speed. The PCIe x4 upstream port of the PCI Express® packet switch is capable to operate at 4 x 5.0GT/s (Gen2).

## SPECIFICATION

<p><b>Summary</b></p>	<ul style="list-style-type: none"> <li>• PICMG® CompactPCI® Serial Standard (CPCI-S.0) peripheral slot card</li> <li>• Single Size Eurocard 3U 4HP 100x160mm2</li> <li>• cPCI-S Backplane Connector P1</li> <li>• Suitable for PCIe x 1 or PCIe x 4 standard peripheral slots, and fat pipe peripheral slots</li> <li>• PLX PCI Express® Gen2 packet switch for optimum bandwidth distribution</li> <li>• 1 x Upstream port PCIe x 4 or PCIe x 1, Gen2 or Gen1 PCI Express® over backplane</li> <li>• 5 x Downstream ports PCIe x 1 to Gigabit Ethernet NICs</li> <li>• Five independent Gigabit Ethernet controllers (5 x MAC address) Intel® I210-IT</li> <li>• Intel® I211-AT Gigabit Ethernet controllers populated as an alternate (depends on SKU)</li> <li>• Integrated PHYs 1000BASE-T, 100BASE-TX, 10BASE-T (IEEE 802.3, 802.3u, 802.3ab)</li> <li>• IEEE 802.3ab Auto Negotiation for automatic link configuration</li> <li>• Auto MDI, MDI-X Crossover at all Speeds</li> <li>• Full duplex operation at 10/100/1000Mbps</li> <li>• 9.5KB Jumbo Frame support</li> <li>• Hardware-based time stamping (IEEE 1588) and support for 802.1AS - Precise Timing Protocol</li> <li>• Support for Energy Efficient Ethernet (EEE) standard of IEEE 802.3az</li> <li>• Option IEEE 802.1Qav compliant Audio-Video Bridging (AVB)</li> <li>• IPv4, IPv6, TCP/UDP checksum offloads</li> <li>• Driver support for all major operating systems</li> <li>• Five front panel connectors RJ45 with integrated magnetics</li> <li>• Long term availability</li> <li>• Rugged solution (coating, sealing, underfilling available on request)</li> <li>• RoHS compliant</li> <li>• Designed and manufactured in Germany</li> <li>• ISO 9001 certified quality management</li> <li>• Commercial operating temperature range 0°C to +70°C</li> <li>• Industrial operating temperature range -40°C to +85°C on request</li> <li>• Storage temperature -40°C to +85°C, max. gradient 5°C/min</li> <li>• Humidity 5% ... 95% RH non condensing</li> <li>• Altitude -300m ... +3000m</li> <li>• Shock 15g 0.33ms, 6g 6ms</li> <li>• Vibration 1g 5-2000Hz</li> <li>• MTBF 34.2 years</li> <li>• EC Regulations EN55022, EN55024, EN60950-1 (UL60950-1/IEC60950-1)</li> </ul>
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## The Power to Outperform

Would you like to find out more? Be sure to speak to our on-stand team or contact us via the details here and we would be happy to help.

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