



PART NUMBER: 3U-PER-4PNBHOST

- Peripheral board for PICMG® CompactPCI® serial (CPCI-S.0) systems
- Single size Eurocard - 3U mounting height
- Front panel width 4HP
- Provides 2.5Gbps Ethernet front panel I/O (4 x RJ45)
- Backplane communication via PCI Express® x4 or x1 enabled slot

SPECIFICATION

Front Panel I/O	<ul style="list-style-type: none"> • 4 x RJ45 front panel receptacles • 2.5GBASE-T, 1000BASE-T, 100BASE-TX, 10BASE-T compliant data transfer rate (NBASE-T 2.5GE) • IEEE 802.3bz - Cat 5e 100m
Networking	<ul style="list-style-type: none"> • Four individual Intel® I225/226-IT networking interface controllers (NIC) • 2.5GBASE-T, 1000BASE-T, 100BASE-TX, 10BASE-T 802.3 specifications • -40°C to +85°C operating temperature 10M/100M/1G • -40°C to +70°C operating temperature 2.5G (I225) • -40°C to +85°C operating temperature 2.5G (I226) • UDP, TCP and IP checksum offload • 9KB Jumbo Frame support • Four transmit and four receive queues • IEEE 802.3az Energy Efficient Ethernet • Ultra-low power at cable disconnect (5mW) • Time Sensitive Networking (TSN) • IEEE 1588 - Basic time-sync (Precision Time Protocol) • IEEE 802.1AS-Rev - Higher precision time synchronization with multiple (dual) clock masters • IEEE 802.1Qav - Credit Based Shaping and Basic scheduling • IEEE 802.1Qbu - Frame Preemption • IEEE 802.1Qbv - Time Aware Shaper • IEEE 802.3br - Interspersing Express Traffic • PCIe® PTM for synchronization between the NIC and Host timers
Environmental & Regulatory	<ul style="list-style-type: none"> • Designed & manufactured in Germany • ISO 9001 certified quality management • Custom specific development on request • Long term availability • Coating, sealing, underfilling on request • RoHS compliant • Operating temperature -40°C to +85°C (industrial temperature range) • Storage temperature: -40°C to +85°C, max. gradient 5°C/min • Humidity 5% ... 95% RH non condensing • Altitude -300m ... +3000m • Shock 15g 0.33ms, 6g 6ms • Vibration 1g 5-2000Hz • EC Regulatory EN55035, EN55032, EN62368-1 • MTBF 74.6 years (MIL-HDBK-217F, SN29500 @+40°C)

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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