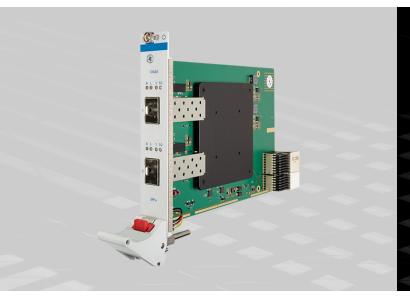# HIPER Global

CompactPCI® Ethernet NIC

DUAL-PORT 10 GIGABIT ETHERNET HOST ADAPTER CARD

PART NUMBER: 3U-PER-2PGIGHOST

A peripheral slot card for CompactPCI® serial systems equipped with an Intel® X540 10GBASE-T Ethernet controller, and two RJ45 front panel jacks for attachment of Cat 6 or Cat 6A cables up to 100m length. The ability to auto-negotiate between 100Mbps, 1Gbps, and 10Gbps speeds provides the backwards compatibility for a smooth transition and easy migration to 10GbE.

SPECIFICATION

Ethernet Controller	• Intel® 82599ES (aka X520 Niantic) dual port 10Gb Ethernet controller • SFP+ interface compatible to 100Mbps/1Gbps/10Gbps speeds • Auto negotiation for automatic link configuration • IPv4, IPv6, TCP/UDP checksum offloads • Integrated LinkSec and IPsec security engines, IPv4 and IPv6 end-to-end layer 2/3 data protection • Support for jumbo frames of up to 15.5 KB • 802.1AS - Precise Timing Protocol • IEEE 802.1q virtual local area network (VLAN) support, VMDq, VMDc • Unified networking support (IEEE 802.1az, IEEE 802.1Qbb, FCoE, iSCSI) • Driver support for all major operating systems • Front bezel receptacles SFP+ • Ethernet optical fiber cable length depending on transceiver solution up to 10km • Front LEDs 1G, 10G, Link, Activity
Typical Applications	• High speed industrial networking • Distance SR (short range transceiver/cable) up to 300m, LR (long range) up to 10km • High performance vision systems & image processing with 10GbE cameras attached • Distributed and parallel industrial computing • Data concentrator pathway from IoT (field) to cloud (big data) • Server link - backup and remote storage, database access
Regulatory	• Designed & manufactured in Germany • ISO 9001 certified quality management • Long term availability • Rugged solution (coating, sealing, underfilling available on request) • RoHS compliant • Commercial operating temperature range 0°C to +70°C • Industrial operating temperature range -40°C to +85°C on request • 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 • MTBF 60.7 years • EC Regulations EN55022, EN55024, EN60950-1 (UL60950-1/IEC60950-1)

▌ 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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