3U CPCI-S.0 Quad Gigabit Ethernet Controller

» Latest Ethernet Technology
  Based on Intel® I350 Quad Gigabit Ethernet Controller

» Outstanding Performance
  x4 PCI Express® 2.0 interface to the backplane

» Rugged Design
  Optionally with P6 for increased mechanical stability
CPS3410
3U CPCI-S.0 Quad Gigabit Ethernet Controller

The CPS3410 is a 3U CompactPCI® Serial board providing four Gigabit Ethernet interfaces via RJ-45 connectors on the front panel. All four interfaces are controlled by the Intel® I350 Ethernet controller, which is connected to the backplane via one x4 PCI Express® 2.1 link.

The Intel® I350 Ethernet controller provides a powerful set of features that include I/O virtualization and QoS features, Energy Efficient Ethernet (EEE), as well as support for Jumbo Frames (up to 9.5 KB) and PXE boot option. On top of that the Intel® Advanced Network Services (ANS) software package adds support for Adapter Teaming, Load Balancing or 802.1q VLANs.

Technical Information

Front Interfaces
- Ethernet: Four RJ-45 with integrated magnetics and LEDs (ACT, SPEED)
- Pwr (Power): Power Status of the CPS3410
- If the HS handle is pressed, the onboard power supplies will be shut down and the board can be safely removed from the CPCI-S.0 system

Onboard Interfaces
- Ethernet Controller: Quad-port Gigabit Ethernet Controller, Intel® I350, 1000BASE-T, 100BASE-TX and 10BASE-T link modes supported

CompactPCI® Serial Interface
- CPCI-S.0 Interface: P1 CPCI-S.0 connector holding one x4 PCI Express® 2.1 interface, Option to assemble the P6 connector for increased mechanical stability

Compliance
- CompactPCI® Serial Specification PICMG® CPCI-S.0 R1.0
- Safety: compliant to IEC60950-1, EN60950-1, UL60950-1
- EMC: compliant to EN55022 Class B, EN55024, EN61000-6-1/-2/-3/-4, EN50121-3-2 (Railways), designed to meet: FCC, VCCI, BSMI

General
- Dimensions: 3U / 4HP, 100 x 160 mm
- Weight: 170 g
- MTBF: 1,427,633 h acc. to MIL-HDBK-217 FN2, Ground Benign, controlled at 30°C
- Power Consumption: Approx. 3.5 W with two GbE links

Environmental
- Operating Temperature: 0°C to +60°C standard, -40°C to +85°C extended temperature
- Storage Temperature: -40°C to +85°C (without additional components)
- Climatic Humidity: 93% RH at 40°C, non-condensing (acc. to IEC 60068-2-78)

Ordering Information

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<td>CPS3410</td>
<td>3U / 4HP quad Gigabit Ethernet controller with four RJ-45 on the front panel</td>
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Please contact your local sales representative for other configuration options.

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