



PART NUMBER: 3U-PER-20PSWITCH

Equipped with a maximum of four Marvell® 88E6350R gigabit Ethernet switches, each of them providing 5 ports with integrated Ethernet transceivers (PHY) and two digital interfaces (RGMII). The switches are coupled together by means of their RGMII interfaces. A total of 20 PHY ports are available on-board, wired to the front panel (5) and to the CompactPCI® serial backplane connectors P5/P6 (14).

SPECIFICATION

Summary

- PICMG® CompactPCI® Serial Standard (CPCI-S.0) peripheral slot card
- Single Size Eurocard 3U 4HP 100x160mm2
- cPCI-S backplane connectors P1, P5, P6
- Suitable for PCIe x 1 standard peripheral slots
- P1 used for PCI Express® lane to I210 Gigabit Ethernet Controller
- P5, P6 used for up to 14 GbE ports over backplane or rear I/O transition module
- 5 x RJ45 front panel GbE ports
- Marvell® 88E6350R based Gigabit Ethernet switch fabric (5 x PHY, 2 x RGMII each device)
- High performance, non-blocking, Gigabit Ethernet
- Support for up to 1K MAC addresses, 10KByte Jumbo Frames
- Unmanaged solution
- Management available on request via Marvell® SOHO Switch GUI Software
- Up to four 88E6350R devices in use for scalability
- Intel® I210IT Gigabit Ethernet Controller internally wired to GbE switch fabric (20th port)
- 9.5KB Jumbo Frame support
- Hardware-based time stamping (IEEE 1588) and support for 802.1AS
- Option IEEE 802.1Qav compliant Audio-Video Bridging (AVB)
- IPv4, IPv6, TCP/UDP checksum offloads
- Driver support for all major operating systems
- Designed & manufactured in Germany
- Certified quality management ISO 9001
- Long term availability
- Rugged solution (coating, sealing, underfilling available on request)
- RoHS compliant
- Commercial and industrial temperature range
- Humidity 5% ... 95% RH non condensing
- Altitude -300m ... +3000m
- Shock 15g 0.33ms, 6g 6ms
- Vibration 1g 5-2000Hz
- MTBF 30.2 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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