HIPER Global

CompactPCI® SSD Carrier
mSATA SSD RAID CARD

PART NUMBER: 3U-PER-MSATA

A peripheral slot card for CompactPCI® serial systems, equipped with a quad-channel PCI Express® to SATA 6Gbps controller and four on-board sockets for mSATA solid state drives (SSD). With a capacity available of up to 1TB as of current, mSATA is a popular embedded storage module form factor. The Marvell® SATA 3.0 controller allows RAID or non RAID operation.

SPECIFICATION

Summary	• PICMG® CompactPCI® Serial standard (CPCI-S.0) • Single size Eurocard 3U 4HP 100x160mm2 • Suitable for CompactPCI® Serial peripheral slot (PCI Express® enabled) • CompactPCI® Serial fat pipe slot (PCIe x 8) or peripheral slot (PCIe x 4) recommended • CompactPCI® Serial backplane connector P1 for PCI Express®, single or dual lane link • Marvell® PCI Express® 2.0 to SATA III host controller • Four SATA 6Gbps interface ports (backward support 3Gbps and 1.5Gbps) • Native Command Queuing • Hardware RAID 0/1/10 • On-the-fly AES encryption 128/256-bit • AHCI driver support • Up to four on-board mSATA SSD modules (must be ordered separately) • Half or full size accepted • Various brands of mSATA SSDs available (e.g. Intel, Micron, Samsung) • Hardware RAID option for dual or triple/quad device configuration • Designed & manufactured in Germany • ISO 9001 certified quality management system • Long term availability • Rugged solution (coating, sealing, underfilling on request) • RoHS compliant • Operation temperature 0°C to +70°C (commercial temperature range) • Operation temperature -40°C to +85°C (industrial temperature range) on request • Storage temperature -40°C to +85°C • Humidity 5% ... 95% RH non condensing • Altitude -300m ... +3000m • Shock 15g 0.33ms, 6g 6ms • Vibration 1g 5-2000Hz • MTBF 82.8 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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