



PART NUMBER: 3U-PER-M2SATA

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 M.2 solid state drives (SSD).

M.2 is a fast emerging embedded storage module form factor. The Marvell® SATA 3.0 controller allows RAID or non RAID operation.

SPECIFICATION

<p>Summary</p>	<ul style="list-style-type: none"> • 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 • cPCI-S 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 • Marvell HyperDuo technology for automated SSD/HDD tiering • Designed according to PCI Express® M.2 Specification (aka NGFF) • Up to four on-board M.2 SSD modules (must be ordered separately) • M.2 module size 2280, 2260, 2242, typically B-M coded • M.2 host connectors B-coded, 4.2H (accepts double-sided modules) • Socket 2 pin-out for SATA based SSDs (configuration pins 0000) • Various brands of M.2 SSDs available (e.g. Intel, Micron, Samsung) • Hardware RAID option for dual or triple/quad device configuration • Designed & manufactured in Germany • Certified quality management according to ISO 9001 • 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.

-  Unit 13 Suttons Business Park, Reading, RG6 1AZ
-  0118 929 4990
-  uk.sales@hiper-global.com
-  www.hiper-global.co.uk