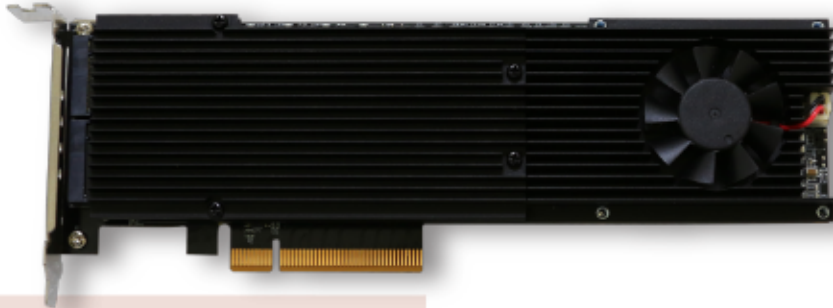


NVMe M.2 RAID CARD



Key Features

- FAN-sink offers best cooling for all M.2 drives.
- Fully RAID functions support and hardware acceleration
- Offload back-up at power fail using ONFI (Supercap required),with bad block management
- On-board LEDs for M.2 drives and RAID card status indication
- Support single side/double side mouting, 2280 and 22110 length SSDs

SAS3516 Features

- 12Gb/s SAS/SATA/NVMe Tri -mode PCIe RAID controller
- PCIe 3.1 Host Interface
PCIe Gen3 x8 lanes at transfer rate up to 8GT/s per lane, full duplex
- Device Interface per M.2 slot
PCIe Gen3 x4 at 8GT/s per lanes
- Support RAID level 0,1,5,6 and 10

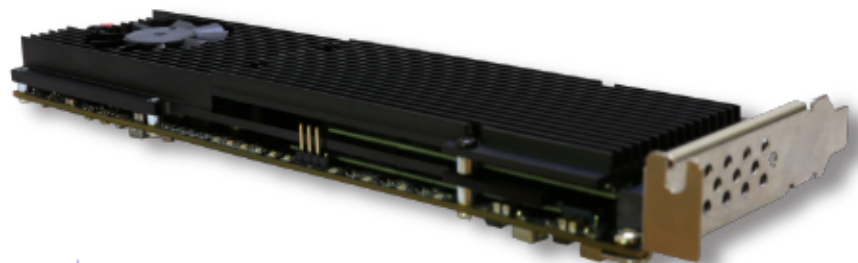
Hardware NVMe RAID adapter with 4Bays M.2 drives

UTran NVMe M.2 RAID card UT34M2 is standard PCIe Add-in card form factor, support 4bays M.2 drives. Customized FAN-sink offers the best cooling for all M.2 drives and ROC.

UT34M2 is revolutionary card providing high bandwidth and IOPS and is ideal for high-end server utilizing internal storage.

Adopt Broadcom MegaRAID Tri-mode ROC SAS3516

Build-in Broadcom SAS3516 RAID On Chip(ROC) and 4GB 72-bit DDR4-2133 SDRAM providing hardware RAID assist engine for parity calculations. Hardware-based RAID solution that supports RAID levels 0, 1, 5, 6 and 10. ONFI-4.0 compliant NAND controller channels that support up to 400 MT/s for memory backup while power loss and features battery backup controller to assure data integrity.



Models	UT34M2
Form Factor	Standard HHHL PCIe Add-in card form factor
Card Physical Dimension	205mm (L) x 67mm (H)/ 8.07" (L) x 2.63" (H)
RAID-On-Chip	Broadcom SAS3516
Drives support	Single side/double side, 2280 and 22110 length
LEDs indication	M.2 Drive Activity (Green) and Fault (Red) LEDs System Heartbeat (Green) LED Cache Dirty (Green) LED ROC over-temperature (Amber) LED Globe Failure (Amber) LED ONFI Activity (Green) LED Supercap Fault (Amber) LED
Host Port Interface	PCIe Gen3 x8 lanes, up to 8.0 GT/s per lane, full duplex. SR-IOV (16 virtual functions) Supports End-to-End CRC and Advanced Error Reporting (AER) Supports the PCI Bus Power Management Interface Spec Rev 1.2 Eight-lane aggregate bandwidth of up to 8 GB/s (8000 MB/s)
Device Port Interface	x16 SerDes PHYs Support 4Bays M.2, each with PCIe Gen3 x4 link width Transfer rate is at 8.0 GT/s per lane Separate Reference clock Independent SSC (SRIS) PCIe application layer supports NVMe and AHCI
Power Consumption	Approximately 12 watts (not include power consumption of M.2 drive) The CacheVault Supercap consumes up to an additional 6W during transparent learn cycle from PCIe 3.3V rail.
Operating System Support	Microsoft Windows, Linux, VMware. See www.broadcom.com/support/download-search for details on versions.
RAID Functions Support	RAID levels 0, 1, 5, and 6 RAID spans 10 Online Capacity Expansion (OCE) Online RAID Level Migration (RLM) Auto resume after loss of system power during array rebuild or reconstruction (RLM) Single controller Multipathing Load Balancing Configurable stripe size up to 1MB Fast initialization for quick array setup Check Consistency for background data integrity SSD support with SSD Guard™ technology Patrol read for media scanning and repairing
Cache Protection	CacheVault CVPM05
Temperature conditions	Operating Temperature: 10 ° C TO + 50° C Storage Temperature: -40° C to 85° C Operating Humidity: 10% to 90% relative humidity non-condensing Storage Humidity: 5% to 95% relative humidity non-condensing
Certifications	CE(EN55022/EN55024/EN55032 Class B) FCC(Part 15 Subpart B Class B) ROHS compliant

Note: Specifications and appearance are subject to change without prior notice