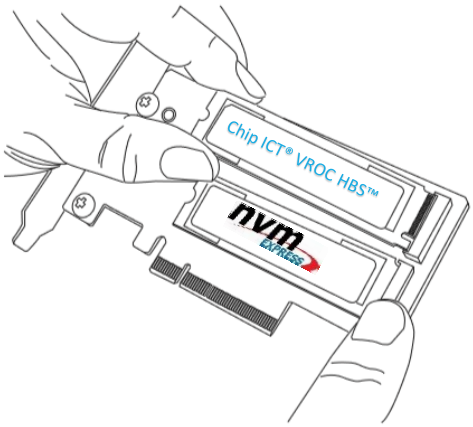
VROC HBS™

Chip ICT® High-Performance Boot Solution™

1TB NVMe PCIe with VROC

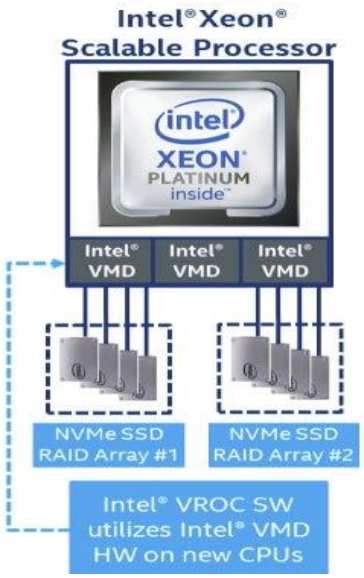


The Chip ICT® VROC HBS™: Powerful and Compact

The Chip ICT® VROC HBS™ is a PCIe 3.0 X8 expansion card with 2 x 512GB M.2 NVMe 1.3 SSDs. Combined with Intel® VROC RAID Key, enables RAID 0, 1 for Extreme high speed Boot device.

The VROC HBS™ is ideal for Industrial/embedded solutions, Gaming systems, and High performance server storage.
The SSDs deliver unprecedented performance up to 3,500MB/s Sequential Read, and 2,300MB/s Sequential Write per SSD and a Random performance up to 500,000 IOPS for both read/write operations

Intel® Virtual RAID on CPU (Intel® VROC) is an enterprise, hybrid RAID solution, specifically designed for NVMe SSDs connected directly to the CPU. Intel® VROC is made possible by the new CPU feature Intel® Volume Management Device, Intel® VMD, a new hardware architecture on Intel® Xeon® Scalable Processors. Intel® VMD enhances the 48 preexisting PCIe lanes for dependable NVMe connections. Intel® VROC capitalizes on Intel® VMD for a simpler RAID solution that requires no additional hardware. It provides compelling RAID performance that unleashes the full potential of NVMe drives.



Key Benefits

- ✓ Use NVMe drives to their full potential
- ✓ Fewer hardware queues
- ✓ Bootable RAID
- ✓ Host Insert/Surprise removal
- ✓ LED Management
- ✓ Cost-effective and simple

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Specifications:

Form factor:	PCIe 3.0 x8 Low Profile
Size:	68,8 x 133 mm
SSD:	2x M.2 NVMe 1.3 SSD 2280 512GB V-NAND 2bit MLC
OS Support:	Microsoft Windows® 2016 Microsoft Windows® 2012R2 Microsoft Windows® 10 Microsoft Windows® 7 SP2 RedHat Enterprise 7.3 + 7.4 SUSE Linux Enterprise 12 SP3
VROC:	RAID 0, 1, 10 Support
Features:	TRIM (Required OS support), Garbage Collection, S.M.A.R.T
Encryption:	SED , AES 256-bit (Compliant with TCG Opal and Encrypted

Chip ICT® VROC HBS™ Contains:

- ✓ PCIe 3.0 x8 NVMe Interface card
- ✓ 1TB (2x512GB) M.2 NVMe SSD
- ✓ Intel VROC Activation Key

For more information please visit: www.chipict.com or call: +31 (0) 888 377 377