SupremeRAID™ SR-1000

SPEC SHEET

Introducing the world's first NVMe and NVMeoF RAID card to unlock the full potential of your SSD performance. GRAID SupremeRAID™ cutting edge technology eliminates the traditional RAID performance bottleneck to deliver world-record performance, comprehensive data protection, and unmatched flexibility at the lowest TCO on the market.

THE CHANNEL CO. CRN — THE TOP 10 DATA STORAGE STARTUPS 2021

CES INNOVATION AWARDS — 2022 HONOREE

World-Record Performance

Named one of the Ten Hottest Data Storage Startups of 2021 by CRN, as well as CES 2022 Innovation Award Honoree, GRAID SupremeRAID™ performance is breaking world records. Contact us today to find out how GRAID's NVMe solution can unlock the full potential of your high performance workloads.

OPTIMAL

	Linux Environment			Windows Environment		
	RAID 5	RAID 6	RAID 10	RAID 5	RAID 6	RAID 10
4k Random Read IOPS	16 M IOPS	16 M IOPS	16 M IOPS	2 M IOPS	2 M IOPS	2 M IOPS
4k Random Write IOPS	820 k IOPS	450 k IOPS	6 M IOPS	500 k IOPS	450 k IOPS	1 M IOPS
1M Sequential Read THROUGHPUT	110 GB/s	110 GB/s	110 GB/s	65 GB/s	60 GB/s	70 GB/s
1M Sequential Write THROUGHPUT	11 GB/s	11 GB/s	25 GB/s	9 GB/s	9 GB/s	35 GB/s

REBUILD
REBUILD_SPEED=LOW

	Linux Environment			Windows Environment		
4k Random Read IOPS	3 M IOPS	3 M IOPS	9 M IOPS	350 k IOPS	350 k IOPS	2 M IOPS
4k Random Write IOPS	600 k IOPS	400 k IOPS	5 M IOPS	400 k IOPS	370 k IOPS	1 M IOPS
1M Sequential Read THROUGHPUT	12 GB/s	13 GB/s	55 GB/s	12 GB/s	13 GB/s	15 GB/s
1M Sequential Write THROUGHPUT	11 GB/s	11 GB/s	25 GB/s	8 GB/s	8 GB/s	13 GB/s

BASED ON TESTING SPECIFICATIONS LISTED ON SIDE 2   BASED ON TESTING SPECIFICATIONS LISTED ON SIDE 2

Contact Us Now

CALL 1 (866) GRAID-10
EMAIL info@graidtech.com
WEB graidtech.com

⊕ DOWNLOAD THE BROCHURE
⊕ DOWNLOAD THE USER GUIDE
⊕ READ THE WHITEPAPERS

⊕ DOWNLOAD THE USER GUIDE

20220330

SupremeRAID™ SR-1000

SPEC SHEET

SR-1000 Software Specs

Supported RAID levels	RAID 0, 1, 5, 6, 10
Max Physical Drives	32
Max Drive Groups	4
Max Virtual Drives per Drive Group	8
Max Drive Group Size	Defined by physical drive size
OS Support	Linux: CentOS 7.9, 8.4, 8.5 openSUSE Leap 15.2, 15.3 RHEL 7.9, 8.4, 8.5 SLES 15 SP2, SP3 Ubuntu 20.04 Windows Server 2019 x86-64 Windows 10 x86-64

SR-1000 Card Specs

Host Interface	x16 PCIe Gen 3.0
Max Power Consumption	50 W
Form Factor	2.713" H x 6.137" L, Single Slot
Product Weight	132.6 g

Flexible & Future Ready

Unmatched flexibility with features like new O/S support, compression, encryption, thin provisioning, or boot drive protection can be easily added with software releases

World Record Performance

Full NVMe performance with a single card: 16M IOPS and 110GB/s throughput based on RAID5 with 3rd Generation Intel® Xeon Scalable Platform and Intel D7-P5510

Highly Scalable

Easily manage 32 direct attached NVMe SSDs; extend data protection without sacrificing performance with Software Composable Infrastructure

Plug & Play

Effortless installation, no cabling or motherboard re-layout required; direct connect to SSD without PCIe switches

Free Up CPU Resources

Offload your entire RAID computation to the GRAID card to free-up CPU computing resources for 5G, AI, and AIoT applications

Easy to Use

GRAID SupremeRAID™ doesn't rely on memory caching technology, eliminating the need for battery backup modules

Contact Us Now

⊙ DOWNLOAD THE BROCHURE

LEARN MORE NOW **GRAIDTECH.COM**