



PRODUCT BRIEF | 3.5in. SSD

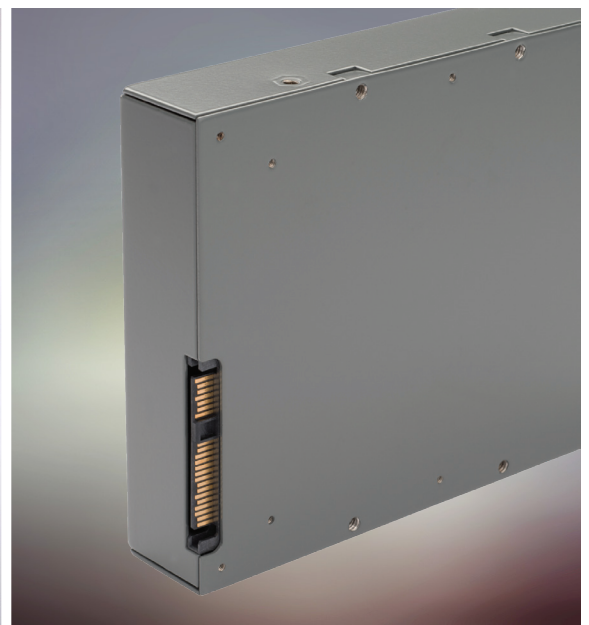
UHC-SILO

3.5 in. ULTRA HIGH-CAPACITY SSD

Viking Technology Ultra High-Capacity (UHC) Silo Series SSD (up to 50TB) is a 3.5 inch solid state drive with a plug-and-play 6Gb/s SAS (Dual-port active-active) interface. The UHC-Silo series SSD is optimized for capacity and performance balanced workloads of datacenters and supports 1 drive writes per day (DWPD) for 5 years. Purpose built for datacenters needing energy efficient, high-capacity SSDs, the UHC-Silo series can greatly increase overall storage capacity per square in. while decreasing power per terabyte. Datacenters looking to transition to the plug-and-play UHC-Silo series SSD can realize cost efficiency between power, space, and cooling by up to 80% per terabyte.

FEATURES

- ▶ 25 TB and 50 TB raw capacities
- ▶ Planar MLC NAND
- ▶ Dual-port SAS 2.x compliant interface
- ▶ 3.5" industry standard form factor
- ▶ Up to 60,000/15,000 IOps (4 KB) reads/writes
- ▶ Up to 500/350 MBps (256 KB) reads/writes
- ▶ 16W typical power consumption



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CAPACITY	
	Up to 50TB
PERFORMANCE	
Random Read	Up to 60,000 IOPS
Random Write	Up to 15,000 IOPS
Sequential Read	500MB/s
Sequential Write	350MB/s
Interface	SAS 6Gb/s
RELIABILITY	
Endurance	1 DWPD
	5 years

ENVIRONMENTAL	
Shock	1000G (0.5ms), 50G (2ms)
Vibration	2.16 grams (5 ~ 700Hz) – 3 axis
Operating Temp	0°C to 50°C
Humidity	10% to 80% (operating)
MTBF	1,500,000 hours
POWER	
Active (Typical)	<16W
Idle (Typical)	<10W
DIMENSIONS	
Form Factor	3.5in Standard Form Factor
	101.6mm x 147mm x 26.1mm

ADVANTAGES

World's Highest Capacity SSD	Achieve Over 5 PB Storage per Rack	500x Higher Read IOps than Nearline HDDs
70x Higher Write IOps than 15k HDDs	No Worries – 1 DWPD for 5 years	Plug-and-Play with any Chassis that Supports 15K SAS HDD

3.5in. SSD PART NUMBERS

FORM FACTOR	INTERFACE	TEMP	CAPACITY	P/N	CONTROLLER	NAND
3.5" SSD	SAS 6Gbs	0°C to+50°C	22.9TB	VNF33122T934CCMHB	Custom 6Gb/s SAS	Custom
3.5" SSD	SAS 6Gbs	0°C to+50°C	45.8TB	VNF33145T834CCMHB	Custom 6Gb/s SAS	Custom

For price and availability, please email us at sales@vikingtechnology.com.



Global Locations

US Headquarters	Canada Office	Texas Office	India Office	Singapore Office
2950 Red Hill Avenue Costa Mesa, CA 92626 Main: +1 714 913 2200 Fax: +1 714 913 2202	500 March Road Ottawa, ON K2K 0J9 Canada	1201 W. Crosby Road Carrollton, TX 75006 USA	A 3, Phase II, MEPZ-Special Economic Zone NH 45, Tambaram, Chennai-600045 India	No 2 Chai Chee Drive Singapore, 109840

For all of our global locations, visit our website under global locations. For sales information, email us at sales@vikingtechnology.com