

ENCRYPTED SERVER STORAGE

Encrypted Pro server storage for the most demanding storage environments.

DESCRIPTION

VDG's Encrypted Professional video server storage hard drives offer up to 18TB capacities to suit even the most demanding needs. This (SED) Self Encrypting Drive helps protect end user data with encryption. If you remove a self-encrypting drive from its storage system or the server in which it is housed, the data on that drive is encrypted and useless to anyone who attempts to access it without the appropriate security authorization.

With the highest error tolerance and MTBF of any capacity-optimized drive, the VDG Pro video server storage delivers the durability and 24x7x365 reliability required in tightly packed vibration prone multi-drive systems.

Must be bought in combination with NVH-CRYPT.

FEATURES

Professional encryption drive

Can be used in all servers (1 to 48 hard drives)

Raid configurable



Performance

Encryption Type	SED Self Encrypting Drive
Data buffer	128 MB (2TB)
	256 MB (4TB, 6TB, 8TB, 10TB)
	512 MB (12TB, 14TB, 16TB, 18TB)
Rotational speed (RPM)	7200
Latency average, (ms)	4.16
Interface	SATA 6Gb/s
Interface transfer rate (MB/s, max)	600

Reliability

Load/Unload cycles (at 40°C)	600,000
MTBF (M hours)	2.0 (2TB,4TB,6TB,8TB,10TB) 2.5 (12TB,14TB)
Availability (hrs/day x days/wk)	24x7

Power

Requirement	+5V,+12V			
Operating (W, typical)	8.1 (2TB)	7.0 (4TB,6TB)	8.8 (8TB)	
	9.2 (10TB)	6.8 (12TB)	6.0 (14TB)	6.5 (16TB,18TB)
Idle (W)	5.9 (2TB)	5.9 (4TB,6TB)	7.4 (8TB)	
	8.0 (10TB)	5.0 (12TB)	5.5 (14TB)	5.6 (16TB, 18TB)

Physical size

Drive type	3.5 inch Internal hard drive			
z-height (mm)	26.1			
Dimensions (width x depth, mm)	101.6 x 147			
Weight (g)	640 (2TB)	715 (4TB, 6TB, 8TB)	750 (10TB)	690 (14TB, 16TB, 18TB)

Environmental (operating)

Ambient temperature	5° to 60° C
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Environmental (non-operating)

Ambient temperature	-40° to 70° C
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Pro video server storage	NVH-92TB-CRYB	NVH-94TB-CRYB	NVH-96TB-CRYB
(incl. assembly and config)	2TB	4TB	6TB
	NVH-98TB-CRYB	NVH-910TB-CRYB	NVH-912TB-CRYB
	8TB	10TB	12TB
	NVH-914TB-CRYB	NVH-916TB-CRYB	NVH-918TB-CRYB
	14TB	16TB	18TB