

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 |
|---------------------|-------------|

Environmental (non-operating)

| | |
|---------------------|---------------|
| Ambient temperature | -40° to 70° C |
|---------------------|---------------|

| 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 |