



TeraDrive™ SSDs

SATA-II 3Gbps SSD

Data Center – Run faster and leave a smaller footprint

Super Talent Technology has teamed up with SandForce, the controller industry leader, to develop the TeraDrive Series SSD. Armed with the SandForce controller, Super Talent TeraDrive™ Series, offers a new level of performance to enterprise storage. Featuring state-of-the-art wear leveling, bad bit management and error correction, the TeraDrive is a logical choice for the enterprise.

TeraDrive FT2

The TeraDrive FT2, based on the SandForce™ SF-1500 controller, is a native SAS solution certified for RAID applications; making it ideal for use in servers and workstations. Supporting up to 50,000 random read IOPS, the TeraDrive FT2 combines excellent performance with reliability and endurance. Available in either MLC or SLC NAND flash, and in capacities from 50GB to 400GB, the TeraDrive FT2 is set to revolutionize enterprise storage.

TeraDrive FT/CT

The TeraDrive FT & CT drives are equipped with SandForce™ SF-1200 controller. With built-in 128-bit AES encryption, the TeraDrive FT/CT makes no compromises in security. TeraDrive FT/CT is native SAS, certified for used with RAID solutions and can sustain up to 30,000 IOPS.

The TeraDrive series supports both TRIM and Garbage Collection features to ensure your drive maintains optimum performance over the life of the drive.

Physical Specification

Product Family	TeraDrive FT2	TeraDrive FT	TeraDrive CT
Form Factor	2.5" HDD	2.5" HDD	2.5" HDD
Capacities	50GB,100GB, 200GB, 400GB	50GB,100GB, 200GB, 400GB	60GB, 120GB, 240GB, 480GB
Dimension	69.85 x 100.20 x 9.50mm	69.85 x 100.20 x 9.50mm	69.85 x 100.20 x 9.50mm
SATA Interface	Serial ATA-II 3Gbps	Serial ATA-II 3Gbps	Serial ATA-II 3Gbps
NAND Flash	MLC/SLC	MLC	MLC
Power Supply	5.0Vcc +/- 5%	5.0Vcc +/- 5%	5.0Vcc +/- 5%
Package	Metal Housing	Metal Housing	Metal Housing
Warranty	2 years (MLC), 3 years(SLC)	2 years	2 years
Part Number	FTMxxF225H (MLC) FTDxxF225H (SLC)	FTMxxFT25H	FTMxxCT25H

Environmental and Reliability Specifications

Product Family	TeraDrive FT2	TeraDrive FT	TeraDrive CT
Operating Shock	1500G	1500G	1500G
Operating Vibration	16G	16G	16G
Operating Temperature	0C to + 70C	0C to + 70C	0C to + 70C
Operating Humidity	5 to 90%	5 to 90%	5 to 90%
MTBF	1,000,000 hours	1,000,000 hours	1,000,000 hours
Data Reliability	Built-in EDC/ECC	Built-in EDC/ECC	Built-in EDC/ECC
Data Retention	10 years	10 years	10 years
Wear Leveling Algorithm	Patent Pending	Patent Pending	Patent Pending