

■ UltraDrive MT Series
SATA-II 3Gbps SSD

SATA Solid State Drive



The Ultra Drive MT is an important addition to SuperTalent's Ultra Drive SSD lineup. The new Ultra Drive MT represents an attractive price/performance between our Value Line and Enterprise SSD's.

The Ultra Drive MT posts an impressive 255MB/s Read and 250MB/s Write speed. The new Barefoot controller, with Indilinx Martini firmware, offers a substantial increase random write performance over its predecessor. Performance of these smaller random blocks is important for OS and application performance and thus has a noticeable impact on the drive's overall performance. Available in capacities of up to 240GB, this new 2.5" SATA drive includes the latest reliability features including: Garbage collection, Trim support, Wear leveling and ECC, designed to keep this SSD running at optimum performance for the life of the drive.

Physical Specifications

Form Factor	2.5"
Capacity*	60GB - 240GB
Dimension	69.85 x 100.20 x 9.50 mm
SATA Interface	Serial ATA-II 3Gbps
NAND Flash	MLC / SLC
Cache	64MB DRAM Cache
Power Supply	5.0Vcc +/- 5%
Package	Metal housing

Environmental Specifications

Operating Shock	1500G
Operating Vibration	16G
Operating Temperature	0C to +70C
Operating Humidity	5 to 90%

Reliability Specifications

MTBF	1,000,000 hours
Data Reliability	Built-in EDC/ECC function
Data Integrity	10 years
Wear Leveling Algor.	Patent Pending

Performance Specifications

	Seq. Read (MB/sec max)	Seq. Write (MB/sec max)
60GB	250	150
120GB	255	245
240GB	255	250

Ordering Information

	MLC	SLC
60GB	FTM60MT25H	FTD60MT25H
120GB	FTM12MT25H	FTD12MT25H
240GB	FTM24MT25H	FTD24MT25H

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SATA Flash Drive Pin Assignment

Power Segment

PIN	Signal Name	Description
P1	Not Used (3.3V)	N/A
P2	Not Used (3.3V)	N/A
P3	Not Used (3.3V Precharge)	
P4	GND	1 st mate
P5	GND	2 nd mate
P6	GND	
P7	5V Precharge	5V Power
P8	5V Precharge	5V Power
P9	5V Precharge	
P10	GND	
P11	Reserved	
P12	GND	1 st mate
P13	Not Used (12V Precharge)	N/A
P14	Not Used (12V)	
P15	Not Used (12V)	

Signal Segment

PIN	Signal Name	Description
S1	GND	
S2	RxP	Differential Signal pair for Receive
S3	RxN	
S4	GND	
S5	TxN	Differential Signal pair for Transmit
S6	TxP	
S7	GND	

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Mechanical Specifications

