

■ UltraDrive MX Series
SATA-II, mini-USB connections

SATA Solid State Drive



The new UltraDrive MX represents a premium consumer offering and fits nicely between our Value Line and Enterprise SSD offerings. The UltraDrive MX features the JMicron 616 which enables this SSD to reach an impressive 250MB/s Read and 180MB/s Write speeds. The UltraDrive MX also supports the latest GC and Trim features designed to keep this SSD running at optimum performance for the life of the drive.

The UltraDrive MX features a new dual-interface for both SATA II and mini-USB connections. The new dual-interface enables this SSD to offer a new level of flexibility and consumer convenience by enabling the customer to use this drive as either an internal SSD or an external SSD.

Physical Specifications

Form Factor	2.5" HDD
Capacity*	60GB - 480GB
Dimension	100.2 x 69.9 x 9.5 mm
Interface	SATA II, mini-USB connections
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	0°C to +70°C
Operating Humidity	5 to 90%

Reliability Specifications

MTBF	1,000,000 hours
Data Reliability	BCH 16/24 bits ECC
Data Integrity	Up to 10 years
Wear Leveling Algor.	Patent Pending

Performance Specifications

Part Number	Seq. Read (MB/sec max)	Seq. Write (MB/sec max)
FTD06MX25H	240	180
FTD12MX25H	240	180
FTD24MX25H	TBD	TBD
FTM06MX25H	240	120
FTM12MX25H	240	180
FTM24MX25H	240	180
FTM48MX25H	240	180

Ordering Information

Capacity	MLC	SLC
60GB	FTM06MX25H	FTD06MX25H
120GB	FTM12MX25H	FTD12MX25H
240GB	FTM24MX25H	FTD24MX25H
480GB	FTM48MX25H	

© 2010 Super Talent Technology. Specifications subject to change without notice. US patent # 6,547,130 and others apply. 1GB=1,000,000,000 Bytes. Usable capacity may be less than specified after formatting. Actual performance varies depending upon the system configuration and the application used. Performance is highly dependent upon test environment and use case. Consult our benchmarking data for more detailed performance information or benchmark performance in your environment.

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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	

Revision History

July 30, 2010 Rev-A Preliminary Product Specification Released

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Mechanical Specifications

