

mSSD IDE4K 2.5" & mSSD IDE4K 1.8"

New Software Version 1.13 - Update Rev 1.1

Product Update, October 2006

1. Description

A new software version 1.13 has been released for mSSD™ IDE4K 2.5" (formerly known as IDE 4000 2.5") and mSSD™ IDE4K 1.8". This version replaces the current software version 1.12.

The new software version offers support for the SLC NAND flash components that are manufactured using the 60 nm process, commonly available in today's market.

Table 1 shows updated CHS parameters for the following capacities:

Table 1: Updated mSSD IDE4K CHS parameters

Capacity (MB)	CHS parameters					
	Cylinder		Head		Sector	
	1.12	1.13	1.12	1.13	1.12	1.13
1024	2044	2026	16	16	63	63
1536	3067	3052	16	16	63	63
2048	4090	4066	16	16	63	63
2560	5113	5088	16	16	63	63
3072	6136	6106	16	16	63	63
3584	7161	7125	16	16	63	63
4096	8186	8145	16	16	63	63
5120	10236	10187	16	16	63	63
6144	12286	12225	16	16	63	63
7168	14336	14265	16	16	63	63
8192	16386	16305	16	16	63	63

The hardware revision of the mSSD IDE4K with the above capacities has been updated to Rev. C.

No other changes were made to the mSSD IDE4K 2.5" and mSSD IDE4K 1.8" product specifications.

1.1 Ordering Information

The ordering information is listed in Table 2 and Table 3 below:

Table 2: Ordering Information for mSSD IDE4K 2.5"

IDE-4K-25-CCCC-T-P		
CCCC	Unformatted capacity (MB)	128, 256, 512, 768, 1024, 1536, 2048, 2560, 3072, 3584, 4096, 5120, 6144, 7168, 8192
T	Temperature range	Blank: Commercial 0°C - +70°C X: Extended -40°C - +85°C
P	RoHS compatibility	Blank: Leaded version P: RoHS version

Table 3: Ordering Information for mSSD IDE4K 1.8"

IDE-4K-18-CCCC		
CCCCC	Unformatted capacity (MB)	128, 256, 512, 768, 1024, 1536, 2048, 2560, 3072, 3584, 4096, 5120, 6144, 7168, 8192

2. Reason for Change

As flash components manufactured with the new 60 nm process have become more widely available in the market, those manufactured with the older processes are being phased out of the market, and as a result are subject to lower availability.

3. Availability

The mSSD IDE4K 2.5" and mSSD™ IDE4K 1.8" will be manufactured with the new flash process from November 2006.

4. How to Contact Us

Please contact your msystems representative or visit the Embedded Systems section on the msystems website (www.m-systems.com) for any further information or assistance.

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