

New Software Version 1.12

For IDE 4000 1.8" and 2.5"

Product Update, June 2006

Guy Freikorn (guy.freikorn@m-systems.com)

Description

A new software version 1.12 has been released for the IDE 4000 1.8" and 2.5", which replaces the current software version 1.10.

The new software version offers support for the SLC NAND flash components that are manufactured using the 73 nm process, readily available in today's market.

Please note that software version 1.11 was never released to the market with IDE 4000 product line.

Main changes from software version 1.10:

The Mean Time Between Failures (MTBF) for the IDE 4000 1.8" and 2.5" has been improved, as described in Table 1 :

Table 1 Mean Time Between Failures (MTBF)

Density	MTBF (Hours)	FIT (Failure Rate per Million Hours)
128MB	4,058,441	0.2464
256MB	4,058,441	0.2464
512MB	4,058,441	0.2464
1024MB	4,058,441	0.2464
2048MB	3,645,643	0.2743
4096MB	3,029,385	0.3301
8192MB	2,188,183	0.4570

Ordering Information

The ordering information remains the same and is described in Table 2:

Table 2 Ordering Information

Product	Capacity (MB)	Ordering Information
IDE 4000 1.8"	128, 256, 512, 768, 1,024, 1,536, 2,048, 2,560, 3,072, 3,584, 4,096, 5,120, 6,144, 7,168, 8,192	IDE-4K-18-CCCC
IDE 4000 2.5"		IDE-4K-25-CCCC-T-P

The product ordering information indicates:

CCCC: Disk capacity

P: RoHS compatibility

T: Operating temperature range

Blank: Non-ROHS version

Blank: Commercial: 0°C to +70°C

P: RoHS-compliant version

X: Extended: -40°C to +85°C

Reason for Change

Higher-density flash components using 73nm flash technology have become more commonly available in the market.

mSystems is discontinuing in the IDE 4000 1.8" and 2.5" in 384MB, 640MB, 1280MB and 1792MB capacities, as higher capacities are more cost effective.

Availability

Starting June 2006 newly manufactured units of IDE 4000 1.8" and 2.5" will be delivered with software version 1.12.

How to Contact Us

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

Guy Freikorn (guy.freikorn@m-systems.com)
mSSD Product Manager
Embedded Systems
mSystems