

Mobile DiskOnChip Plus 32MByte

1.8V I/O Flash Disk



Description

M-Systems announces a new member of the Mobile DiskOnChip Plus family, with 32MByte (256Mbit) capacity, and 1.8V I/O and 3.3V core voltage in a 69-ball BGA package for mobile applications.

Ordering Information and Availability

Capacity	Package	Voltage	Temperature Range	Order Information	Availability*
32MByte (256Mbit)	69-ball BGA 9x12 mm	Core: 3.3V I/O: 3.3V or 1.8V	Commercial (0°C - 70°C)	MD3331-D32-V3Q18	MP – Now
			Extended (-40°C - 85°C)	MD3331-D32-V3Q18-X	

* MP – Mass Production

Compatibility

Software

All Mobile DiskOnChip Plus versions are compatible with all TrueFFS 5.1.x versions. No software modifications are required when migrating between capacities.

Hardware

All capacities contain identical ball assignments to enable flexible scalability. When migrating between capacities, note the following differences:

- Additional modes have been added (e.g. Asynchronous Boot mode) for Mobile DiskOnChip Plus 16MB (MD3831-D16-V3Q18-T) and 32MB 1.8V I/O (MD3331-D32-V3Q18-T). These modes are not supported in 32MB/64MB 3.3V products.
- There are minor timing differences between the products. To ensure that your board design meets the timing requirements for both capacities, please refer to the data sheets for detailed timing specifications.

How to Contact Us

Please contact your M-Systems' representative or visit M-Systems website (www.m-sys.com) for any further information or assistance.

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