



 **ULTIMATE STORAGE SOLUTIONS**[™] 




The future of storage is solid state, and BitMICRO Networks, Inc. brings you the most advanced solid state disk (SSD) solutions with the E-Disk[®] SSD Series and the E-Disk[®] Altima[™] Series. These products utilize high-density flash memory chips to create high-speed, rugged and reliable solid state storage in standard disk drive form factors. E-Disk[®] SSDs boost system performance by eliminating seek time and latency for faster I/O and sustained transfer rates. With no moving parts, E-Disk[®] SSDs set the bar for storage reliability, durability and endurance in all types of operating environments.



BitMICRO Networks, Inc.

E-Disk® SSD Series



Product Name	Specifications					Security
	Capacity	IOPS	Sustained Rates	Vibration and Shock		
E-Disk® 3.5" 	E-Disk® Fibre Channel	3.5": 2048 MB to 155.6 GB	9,500	68 MB/sec	V: 16.4 GRMS S: 1,500 Gs	
	E-Disk® SCSI Wide	3.5": 1024 MB to 155.6 GB	9,500 to 11,700	34 to 44 MB/sec	V: 16.4 GRMS S: 1,500 Gs	
E-Disk® 2.5" 	E-Disk® IDE/ATA	2.5": 512 MB to 73.7 GB 3.5": 2048 MB to 77.8 GB	1,500 to 16,000	14 to 28 MB/sec	V: 16.4 GRMS S: 1,250 Gs	
	E-Disk® SCSI Narrow	2.5": 512 MB to 73.7 GB 3.5": 2048 MB to 77.8 GB	1,500 to 5,000	4.5 to 18 MB/sec	V: 16.4 GRMS S: 1,500 Gs	
E-Disk® Transit   E-Disk® SolidTape	E-Disk® Transit	5.25" Half-Height: 1024 MB to 114.6 GB Low Profile: 1024 MB to 49.1 GB	1,500 to 9,500	4.5 to 34 MB/sec	Shock-isolated, removable 3.5" E-Disk® SCSI drive modules	
	E-Disk® SolidTape	512 MB to 18.4 GB	1,500 to 12,000	11 to 22 MB/sec	V: 16.4 GRMS S: 1,500 Gs	
E-Disk® VME   E-Disk® PMC IDE/ATA	E-Disk® VME SCSI Wide	Conduction: 1024 MB to 81.9 GB Convection: 1024 MB to 98.3 GB	9,500	34 MB/sec	V: 16.5 GRMS S: Conduction: 1,500 Gs S: Convection: 1,000 Gs	
	E-Disk® VME SCSI Narrow	512 MB to 16.4 GB	1,500 to 5,000	9 to 18 MB/sec	V: 16.5 GRMS S: 1000 Gs	
	E-Disk® PMC IDE/ATA	512 MB to 10.2 GB	1,500 to 15,000	14 to 26 MB/sec	V: 16.4 GRMS S: 1250 Gs	



Ultimate Storage Solutions™

Preliminary Specifications

E-Disk® Altima™ Series



Product Name	Specifications					Security
	Capacity	IOPS	Sustained Rates	Vibration and Shock		
 <p>E-Disk® Altima™ 3.5"</p>	E-Disk® Altima™ E3S320	Interface: Ultra320 SCSI 3.5": 4 GB to 1.7 TB	Up to 20,000	Up to 88 MB/sec	V: 16.4 GRMS S: 1,500 Gs	
 <p>E-Disk® Altima™ 2.5"</p>	E-Disk® Altima™ E2A133	Interface: ATA/IDE 2.5": 1 GB to 65.5 GB	Up to 20,000	Up to 56 MB/sec	V: 16.4 GRMS S: 1,250 Gs	
	E-Disk® Altima™ E3F2	Interface: Fibre Channel 3.5": 4 GB to 1.7 TB	Up to 20,000	Up to 136 MB/sec	V: 16.4 GRMS S: 1,500 Gs	
	E-Disk® Altima™ E2A1	Interface: SATA (1.5 Gb/sec) 2.5": 1 GB to 65.5 GB	Up to 20,000	Up to 56 MB/sec	V: 16.4 GRMS S: 1,250 Gs	
 <p>E-Disk® Altima™ Transit</p>	E-Disk® Altima™ Transit	5.25" Half-Height: 4 GB to 1.18 TB Low Profile: 4 GB to 655 GB	Up to 20,000	Up to 88 MB/sec	Shock-isolated, removable 3.5" E-Disk® SCSI drive modules	
 <p>E-Disk® Altima™ SolidTape</p>	E-Disk® Altima™ SolidTape	1 GB to 65.5 GB	Up to 20,000	Up to 56 MB/sec	V: 16.4 GRMS S: 1,500 Gs	
 <p>E-Disk® Altima™ VME SCSI Wide</p>	E-Disk® Altima™ VME SCSI Wide	Conduction: 4 GB to 917 GB Convection: 4 GB to 1.31 TB	Up to 20,000	Up to 88 MB/sec	V: 16.5 GRMS S: Conduction: 1,500 Gs Convection: 1,000 Gs	
 <p>E-Disk® Altima™ PMC IDE/ATA</p>	E-Disk® Altima™ PMC IDE/ATA	1 GB to 65.5 GB	Up to 20,000	Up to 56 MB/sec	V: 16.4 GRMS S: 1250 Gs	
 <p>E-Disk® SAN Altima™ SBOD</p>	E-Disk® SAN Altima™ SBOD	Interface: Fibre Channel 4 Gb 3U: Up to 10 TB	Up to 200,000	Up to 600 MB/sec	V: Random 0.21 GRMS 5-500Hz S: 5G 10ms	



FlashBus™

BITMICRO's patented FlashBus® technology specifically addresses the need for speed. This special feature bridges the gap between memory controllers and flash memory chips to fast track execution of commands and applications, resulting in high-speed E-Disk® drive performance and unprecedented media transfer rates.



PowerGuard®

The patented PowerGuard® feature empowers the E-Disk® drive to continue operations in the event of power outages, preventing data corruption. Likewise, it also ensures rapid disk erasure even if power is interrupted, giving confidential data a seal of integrity against any hacker tools. Take full control of your drive all the time with PowerGuard®.



securErase®

In the military and defense industries, simple disk erasure is not enough to ease worries of data recovery by unauthorized individuals. With securErase® technology, classified data can be rapidly deleted beyond recovery, leaving no trace of information in any part of the disk or system.



DataSentinel

Data integrity is of utmost importance, and BITMICRO's DataSentinel technology delivers proprietary brownout data protection and user-programmable features that reduce the probability of data and FAT loss or corruption in most cases of power failure conditions.



Wear Leveling

BITMICRO's patented wear leveling technology distributes erase/write cycles evenly across all flash memory block locations. Since blocks are evenly utilized at any given time, the E-Disk drive's lifespan is extended by at least a factor of 15 times when used in conjunction with the device's other intelligent maintenance features.

Note: FlashBus™ and Wear Leveling are standard features in all E-Disk® SSDs.



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