

# MAXio<sup>®</sup> E-Series PCIe Full Height SSD

MAXio<sup>®</sup> E-Series PCIe SSDs deliver high capacity, advanced flash management, and enterprise-class performance.

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Powered by BiTMICRO<sup>®</sup> Talino<sup>™</sup> architecture featuring in-house developed ASICs that offload the Flash Translation Layer (FTL) from the host server to the SSD, MAXio E-Series PCIe SSDs support high storage capacity in a single PCIe edge card form factor, increasing application performance. DriveLight<sup>™</sup> Management Software allows users to simplify MAXio SSD administration with easy-to-use, interactive features.

### Applications

The MAXio E-Series PCIe SSDs are ideal for enterprise applications such as:

- Video on Demand (VOD)/Video Streaming
- Online Transaction Processing (OLTP)
- Non-Linear Editing
- Gaming
- File Servers
- Web Applications
- Cloud Service Providers
- Indexing

## Features

- BiTMICRO-Designed Talino ASIC
  Architecture
- SecurErase<sup>®</sup> Technology
- High Capacity (3.3 TB) with Low Host Resource Utilization
- Enterprise-Class Performance
- Advanced Flash Management (Dynamic Wear Leveling, Background Garbage Collection, Zero Pattern Elimination)
- User-Friendly SSD Management Tool
- Industry-Competitive Thermal Characteristics and Low Energy Usage

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# **Product Specifications**

Physical		Platform Su	Platform Support		
Form Factor Bus Interface	PCIe full height, half length PCIe 2.0 x8		Windows <sup>®</sup> 2012 R2 Server (64-bit) Windows <sup>®</sup> 2008 Server (32/64-bit) Windows <sup>®</sup> 2008 with Hyper-V Windows <sup>®</sup> 7 (64-bit)		
Performance		Operating System	Red Hat <sup>®</sup> Enterprise 6 Ubuntu <sup>®</sup> 10 CentOS 6		
4KB Read IOPs	Up to 240,000		Oracle <sup>®</sup> Enterprise Linux 6		
4KB Write IOPs	Up to 85,000		OpenSUSE <sup>®</sup> Desktop 12 VMware <sup>®</sup> ESXi 5		
4KB Read Latency	Less than 50 µSec				
4KB Write Latency	Less than 30 µSec	Warranty			
Capacity		Standard	3 years or maximum endurance used		
MLC Note: Physical capacity. Usable capacity may	3.3 TB	Extended (Optional)	Up to 5 years or maximum endurance used		

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Voltage	3.3V/12V (+/- 5%)
Active	Less than 30 W

#### Environmental

Operating Temperature	0 - 55 °C
Air Flow	300 LFM

For more Information...

Email: sales@bitmicro.com Call: +1 (888) 72-FLASH Fax: +1 (510) 623-2342

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