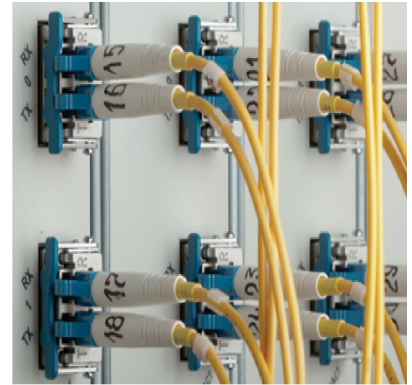


## Next-Level Performance for High-Reliability Systems



networked  
innovation



### A Compelling Alternative

Fast, reliable, and small — Micron's embedded universal serial bus (eUSB) devices offer a compelling alternative to other storage solutions.

Our eUSBs provide up to 32GB of USB 3.1-compliant memory storage in a small form factor. High performance, reliability and ease of implementation make them an ideal storage solution for boot drives and data logging applications such as networking, embedded computing and server systems.

We're pleased to introduce the eU500 product line, which enables us to continue to offer and improve upon the benefits of the eUSB solution.

### Improved Features Introduced With eU500

#### Performance Features

- Full-, high- and super-speed transmissions
- Up to 30X faster than eUSB 2.0 for random operations
- Auto device initialization for ultra-fast power-up
- Backward compatible with previous eUSB generations

#### Reliability Features

- S.M.A.R.T. health reporting
- Enhanced power-failure protection
- Dynamic data read disturb management
- Enhanced firmware redundancy and recovery

### 5 Advantages of Designing With eUSBs

- 1. Performance**  
Designed to offer fast sequential and random access for rapid boot-up and data logging.
- 2. Reliability**  
Includes enhanced features that deliver greater reliability for applications that need it.
- 3. Small Size**  
Provides a viable option for space-constrained applications.
- 4. Low Power**  
Draws less than 330mW of power when actively reading or writing data.
- 5. NAND Expertise**  
Leverages Micron's proven quality, reliability and compatibility in NAND by offering native SLC NAND.

# Micron Embedded USB Products

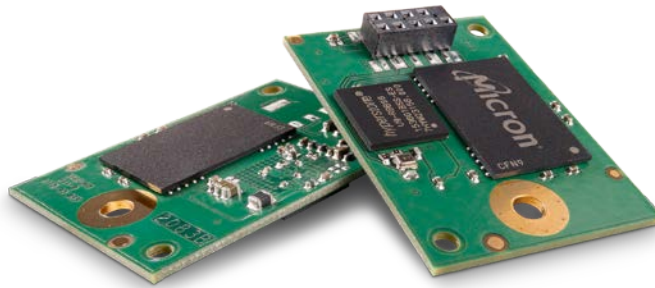
## Designing With Micron

Micron is one of the world's leading memory solutions companies. For 35 years, we've been developing leading-edge memory technology. We continue to apply our innovative expertise and NAND flash know-how to products like the eU500, which enable our customers to design better, faster and more cost-effective products that have distinct competitive advantages.

## Contact Us

Visit [micron.com](http://micron.com) for more details on embedded USB solutions. Contact your Micron sales representative with questions or for samples and support.

Specification	Micron e230	Micron eU500
Interface	USB 2.0	USB 3.1
Controller	2-channel	2-channel
Capacities	Up to 16GB	Up to 32GB
Sequential Read	Up to 30 MB/s	Up to 170 MB/s
Sequential Write	Up to 28 MB/s	Up to 120 MB/s
Random Read (4KB)	Read <100 IOPS	Read >3000 IOPS
Random Write (4KB)	Write <50 IOPS	Write >1000 IOPS
Power	3.3V or 5V	3.3V or 5V
Temperature	Commercial, Industrial	Commercial, Industrial
BER	<1 bit error in 10 <sup>15</sup>	<1 bit error in 10 <sup>16</sup>



*Micron eUSB eU500 family: High-quality performance from a world leader in memory design.*

[micron.com](http://micron.com)

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