



HU250e | USB 3.0 | eUSB Flash Drive

SMART's HU250e USB 3.0 eUSB Flash Drive is designed as the main boot and storage device in embedded systems. The eUSB's small form factor, lower power consumption, and fast access times, offer distinct technical advantages over more traditional mass storage devices.

Utilizing the USB interface, eUSB products are easily integrated into host systems without any special BIOS modifications or additional device drivers. SMART's HU250e USB 3.0 eUSB products provide reliability by incorporating onboard error detection and correction. Static and dynamic Wear-Leveling algorithms also help to produce reliable operation over product life cycles.



Features & Benefits

- SLC NAND Flash
- Support I-Temp (-40°C to +85°C)
- Compliant with Super Speed USB 3.0
- Come with Pin Pitch 2.0mm
- AES 256-Bit Encryption

Applications

- Gaming
- IIoT
- Industrial
- Military
- Transportation

Product Family Overview

Form Factor	Capacity	Sequential Performance
USB 3.0 eUSB Flash Drive	8GB to 32GB	Up to 150MB/s Read Up to 90MB/s Write

Specifications

HU250e USB 3.0 eUSB Flash Drive	
NAND Type	SLC
Performance	
Host Interface Rate (maximum)	USB 3.0 (5Gb/s)
Capacities	8GB to 32GB
Sequential Read (maximum)	Up to 150MB/s
Sequential Write (maximum)	Up to 90MB/s
Reliability	
MTBF	> 4,000,000 hours
Endurance (JEDEC Enterprise Workload) ¹	32GB: 280 TBW
	16GB: 120 TBW
	8GB: 60 TBW
Error Correction	96 Bit/1K BCH
Power	
Input Voltage	VCC: 3.3 V ± 5% or 5V± 5%
Environmental	
Shock	200 g, 2 msec, 1 shock along each axis, X, Y, Z, in each direction
Vibration	1.04g rms, 2 Hz to 200 Hz, 10 minutes each 3 axes
Operating Temperature	Industrial: -40°C to +85°C
Storage Temperature	-40°C to +85°C
Humidity	40°C, Operation: 90% RH, Storage: 93% RH
Physical	
Length	36.9 mm
Width	26.6 mm
Height	M: Pin pitch 2.00 mm, H: 3.68 mm

¹Endurance is directly related to the User Specific Workload.

Ordering Information

Part Number	Density
HU250e (5V, Pin 1, M Connector) Industrial Operating Temperature (-40°C to +85°C)	
SHU35MBGHAIEI01	32GB
SHU35MAGHAIDI01	16GB
SHU35M8GHAICI01	8GB
HU250e (3.3V, Pin 9, M Connector) Industrial Operating Temperature (-40°C to +85°C)	
SHU33MBGHAIEI01	32GB
SHU33MAGHAIDI01	16GB
SHU33M8GHAICI01	8GB



For more information, please visit: www.smartm.com

**Product images are for promotional purposes only. Labels may not be representative of the actual product.*

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