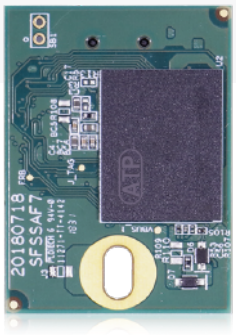
USB 2.0 eUSB

The Global Leader in Specialized Storage and Memory Solutions



KEY FEATURES

- Superior Random Write Performance
- Global wear leveling
- Power Loss Protection
- Hardware Write Protect*

* May vary by product and project support

The ATP eUSB module employs the widely supported USB interface, making it a suitable boot device and efficient data storage solution.

Ideal for industrial and rugged environments, the eUSB module is cost-effective and offers data transfer efficiency in a wide range of applications such as networking, embedded and medical applications that previously used the Intel® Z-U130 Value SSD.

With Power Loss Protection technology options featuring built-in hardware-based power backup circuit and/or firmware-based solution, ATP eUSB delivers reliable controller and lasting NAND flash operation even during sudden power-loss events.

Technologies		S.M.A.R.T/ Life Monitor	Industrial Temperature	Firmware-Based Power Loss Protection	Hardware-Based Power Loss Protection	Advanced Wear Leveling	Hardware Write Protect
Premium	B800Pi	○	○	○	▲	○	▲
Superior	B600Sc	○		○	○	○	

▲: Customization option available on a project basis.

Specifications

Product Line	Premium		Superior
	B800Pi	B800Pi	B600Sc
Interface	USB 2.0 (480 Mbps)		
Flash Type	SLC		MLC
Form Factor	Pitch 2.54 mm / 2.00 mm		
Operating Temperature	-40°C to 85°C		0°C to 70°C
Power Loss Protection Options	Firmware Based	Hardware + Firmware Based	
Optional SED Features	-		
Capacity	1 GB to 16 GB	1 GB to 32 GB	8 GB to 32 GB
Performance			
Sequential Read (MB/s) up to	37	30	25
Sequential Write (MB/s) up to	23	25	19
Endurance and Reliability			
Endurance (TBW)[1] up to	1,548 TB	640 TB	19 TB[2]
Reliability MTBF @ 25°C	>5,000,000 hours		>2,000,000 hours
Reliability Number of Insertions	10,000 minimum		
Others			
Dimensions (mm)	36.9 x 26.6 x 9.5		
Certifications	CE, FCC, UKCA, RoHS		
Warranty	5 years		3 years

1. Under highest Sequential write value. May vary by density, configuration and applications.
2. Measured with Random Write. May vary by density, configuration and applications.

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Product spec and its related information are subject to change without advance notice.
Please refer to www.atpinc.com for latest information

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