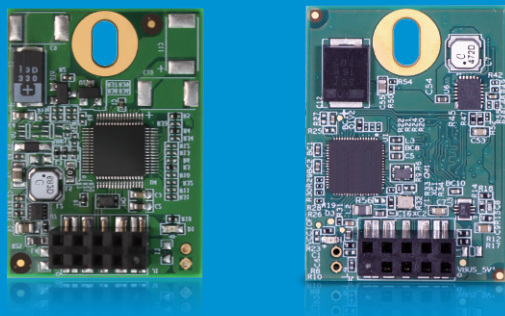




eUSB

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



Key Features

- Global wear leveling
- Power Loss Protection

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 & Add-On Services	S.M.A.R.T.	Hardware-based Power Loss Protection	Advanced Wear Leveling	Dynamic Data Refresh	Industrial Temperature	Anti-Sulfur Resistors	Conformal Coating
Premium	●	●	●	●	●	Δ	Δ
Superior	●	●	●	Δ		Δ	Δ

Δ: Customization option available on a project basis.

Specifications

eUSB				
Product Line	B800Pi	B600Sc	B600Sc	
Interface	Compatible with USB 2.0 (480 Mbps)			
Flash Type	SLC	MLC	MLC	
Form Factor	Pitch 2.54 mm / 2.00 mm			
Operating Temperature (Tcase) ¹	-40 °C to 85 °C	0 °C to 70 °C		
Power Loss Protection Options	Hardware + Firmware Based			
Optional SED Features	-			
Capacity	1 GB to 32 GB	8 GB to 32 GB	16 GB to 64 GB	
Performance				
Performance	Sequential Read (MB/s) up to	30	25	44
	Sequential Write (MB/s) up to	25	19	17
	Random Read IOPS (4K, QD32) up to	-	-	1,736
	Random Writes IOPS (4K, QD32) up to	-	-	659
Endurance and Reliability				
Endurance (TBW) ² up to	1,280 TB	38.4 TB	76.8 TB	
Reliability MTBF @ 25 °C	>5,000,000 hours	>2,000,000 hours		
Data Retention @ 40 °C ³	10 years (<10% pre-cycle)	5 years (<10% pre-cycle)		
Reliability Number of Insertions	10,000 minimum			
Others				
Power Consumption	5V Input Power			
Dimensions: L x W x H (mm)	36.9 x 26.6 x 9.5			
Certifications	CE, FCC			
Warranty	5 years	2 years		

¹ Case Temperature, the composite temperature as indicated by SMART temperature attributes.

² Under highest Sequential write value. May vary by density, configuration and applications.

³ Data retention value may vary across different temperature ranges. It is based on experimental results and should be used only for reference.

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

202106

ATP TAIWAN (HQ)

TEL: +886-2-2659-6368
sales-apac@atpinc.com

ATP USA

TEL: +1-408-732-5000
sales@atpinc.com

ATP EUROPE

TEL: +49-89-374-9999-0
sales-europe@atpinc.com

ATP JAPAN

TEL: +81-3-6260-0797
sales-japan@atpinc.com

ATP CHINA

TEL: +86-21-5080-2220
sales@cn.atpinc.com