



# ATP mSATA Embedded SSD

## Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications



Just roughly the size of a business card, ATP's mSATA SSDs offer up to 512 GB capacity and the same speed and efficiency of SATA. They are designed to fit in systems with space constraints and high-performance requirements such as embedded and networking applications.

Two mounting holes keep the mSATA module securely installed, protecting it from shock and vibration. ATP mSATA SSDs are available in industrial temperature ratings for trustworthy performance in sub-freezing or extremely hot settings.

### Key Features

- Global wear leveling
- TRIM function support
- AutoRefresh and Idle Clean F/W algorithm
- Firmware live update
- PowerProtector

### Applications

- Telecommunications
- Industrial & Embedded
- Gaming & Digital Signage
- Medical & Field Equipment
- Server & Storage
- Ruggedized Tablets

### Specifications

Product Name		mSATA				
Product Line		Premium		Superior		Value
Naming		A800Pi	A700Pi	A600Si	A600Sc	A600Vc
Flash Type		SLC	iTemp SLC mode	iTemp MLC	MLC	TLC
Density		8 GB to 128 GB	64 GB to 256 GB	16 GB to 512 GB		32 GB to 512 GB
Performance	Sequential Read up to (MB/s)	530	550	550		450
	Sequential Write up to (MB/s)	430	440	450		440
	Random Read IOPS up to	76,000	73,700	70,000		70,000
Interface		SATA III 6 Gb/s				
Operating Temperature		-40°C to 85°C		-40°C to 85°C	0°C to 70°C	0°C to 70°C
Endurance	TBW* (max.)	10,667 TB	8,533 TB	1,067 TB	1,280 TB	590 TB
	DWPD* (max.)	77.9	46.8	2.9	3.5	1.6
Reliability MTBF @ 25°C		>5,000,000 hours		>2,000,000 hours		>2,000,000 hours
Dimensions: L x W x H (mm)		50.8 x 29.85 x 3.4				

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

Technologies & Add-On Services*		Life Monitor	PowerProtector	Advanced Wear Leveling	AutoRefresh	Dynamic Data Refresh	Secure Erase	Industrial Temperature	Anti-Sulfur Resistors	Conformal Coating
Product Line	Premium	●	●	●	●	●	●	●	Δ	Δ
	Superior	●	●	●	●	●	●	Δ	Δ	Δ
	Value	●		●	●	●				

Δ: Customization option available on a project basis.

### ATP Global Footprint

To learn more about this product, contact your ATP Representative.

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