

mSATA SSD

Model		IMSS332		IMSS314		IMMS331	
Interface		mSATA (MO-300A)	mSATA (MO-300A)	mSATA (MO-300A)	mSATA (MO-300A)	mSATA mini (MO-300B)	mSATA mini (MO-300B)
Capacity		4GB~128GB	16GB~1TB	32GB~1TB	32GB~512GB	4GB~32GB	8GB~256GB
Operating Voltage		3.3V	3.3V	3.3V	3.3V	3.3V	3.3V
Flash Type		SLC	MLC	3D MLC	3D TLC	SLC	MLC
Sequential Read (max.)		560MB/s	560MB/s	500MB/s	500MB/s	500MB/s	500MB/s
Sequential Write (max.)		430MB/s	450MB/s	400MB/s	400MB/s	260MB/s	300MB/s
Data Transfer Mode		SATA III 6.0Gbps	SATA III 6.0Gbps	SATA III 6.0Gbps	SATA III 6.0Gbps	SATA III 6.0Gbps	SATA III 6.0Gbps
Operating Temperature	Commercial	-10°C to +80°C	-10°C to +80°C	-10°C to +80°C	-10°C to +80°C	0°C to +70°C	0°C to +70°C
	Industrial	-40°C to +90°C	-40°C to +90°C	-40°C to +90°C	-40°C to +90°C	-40°C to +85°C	-40°C to +85°C
Operating Humidity		0°C to +55°C 5%~95% RH non-condensing	0°C to +55°C 5%~95% RH non-condensing	0°C to +55°C 5%~95% RH non-condensing	0°C to +55°C 5%~95% RH non-condensing	0°C to +55°C 5%~95% RH non-condensing	0°C to +55°C 5%~95% RH non-condensing
Power Consumption (max.)		2.6W	4.6W	3W	3W	1.2W	1.2W
MTBF		>2,000,000 hrs	>1,000,000 hrs	>2,000,000 hrs	>2,000,000 hrs	>2,000,000 hrs	>1,500,000 hrs
Vibration Resistance		20G (10~2000Hz)	20G (10~2000Hz)	20G (80~2000Hz)	20G (10~2000Hz)	20G (10~2000Hz)	20G (10~2000Hz)
Shock Resistance		1500G/0.5ms, Half Sine Wave	1500G/0.5ms, Half Sine Wave	1500G/0.5ms, Half Sine Wave	1500G/0.5ms, Half Sine Wave	2000G/0.5ms, Half Sine Wave	2000G/0.5ms, Half Sine Wave
Dimensions (L x W x H)		50.59 x 30 x 4.75mm	50.59 x 30 x 4.75mm	50.95 x 30 x 4.75mm	50.95 x 30 x 4.75mm	26.8 x 30 x 3.8mm	26.8 x 30 x 3.8mm
S.M.A.R.T.		Supported	Supported	Supported	Supported	Supported	Supported
Write Protection		Optional	Optional	—	—	—	—
Quick Erase		—	—	—	—	—	—
H/W PLP Function		Optional	Optional	—	—	—	—
A+ SLC Mode		—	—	Supported	—	—	—
Features		<ul style="list-style-type: none"> · Slim form-factor for even more space savings · Supports Intel SRT (Smart Response Technology) · Flash Management · Error Correcting Code (ECC) · Wear Leveling function · H/W Power Detector and Flash Protection 					
Applications		Interactive Device, Medical Application, Personal Computing					