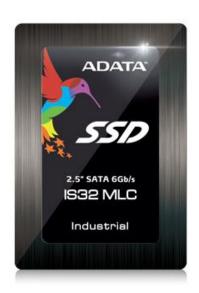ADATA 2.5" SATA III 6.0Gbps Solid State Drives (SSD) feature the best quality hardware components and come with the most comprehensive internal support software, making the device compliant with JEDEC specifications. The low-power design of the product is intended for industrial applications and takes advantage of ADATA's proprietary A+ Testing Methodology, ensuring that the drives meet the exacting requirements of industrial applications. As for SSD quality, compatibility and reliability, ADATA has developed its own SSD Validation mechanism for functionality testing and reliability validation. The strict quality controls provide industrial systems with the best choice for reliability. ADATA Toolbox provides SSD management S.M.A.R.T and system optimization, which helps optimize industrial systems.

Key Features

- Industry-standard 2.5" form factor
- High reliability and great performance
- High speed SLC/MLC NAND Flash
- S.M.A.R.T. function
- Hardware power detector and Flash protection
- TRIM Command and NCQ

Target Applications

IPC/embedded, gaming machines, surveillance, healthcare, automation, military

	Wide Temperature	ESD & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Temperature Sensor	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
ISSS332	●	●	●	●	●	●	●	●	●

● Supported

Specifications

Model	IS32
Interface	SATA 22-pin
Flash Type	MLC
Operating Voltage	5V
Capacity	16GB-128GB
Sequential Read (Max)	Up to 490MB/s
Sequential Write (Max)	Up to 190MB/s
Data Transfer Mode	SATA III 6Gbps
Operating Temperature	Commercial: 0 °C to +70 °C Industrial: -40 °C to +85 °C
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max)	2.5W
MTBF (Est)	>1,500,000 hours
Vibration Resistance	20G (10-2000Hz)
Shock Resistance	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)	100.45 x 69.85 x 7mm
S.M.A.R.T.	Supported

Ordering Information

Capacity	MLC 0°C to 70°C	MLC -40°C to 85°C
16GB	IS32-016GM	IS32-016GT
32GB	IS32-032GM	IS32-032GT
64GB	IS32-064GM	IS32-064GT
128GB	IS32-128GM	IS32-128GT

Dimensions

$7.0^{+0.6}_{-0.2}$

Max.100.45mm
CONNECTION PROTRUSION NOT INCLUDED

69.85±0.25