



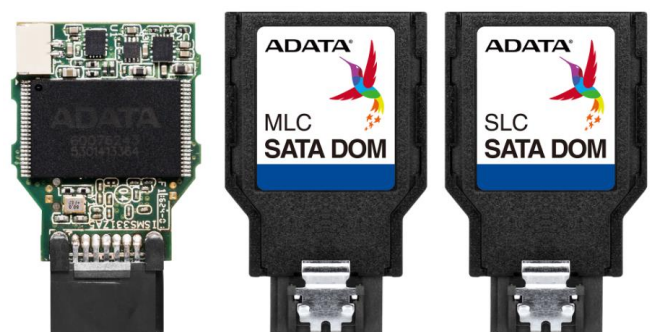
ADATA Industrial & Embedded Solutions

DOM (Disk On Module)

The ISMS331 SATA DOM supports SATA interface and is designed for industrial computers with special specifications and applications. They are available in vertical connectors, and manufactured based on JEDEC standard for easy installation and high compatibility. All products in the series take advantage of ADATA's A+ Testing Methodology. Rigorous testing ensures the production of the best quality products that satisfy requirements for extreme quality and reliability of industrial computers. The compact size of ISMS331 is perfectly suited for desktops, compact computers, industrial computers and embedded applications, making it an ideal choice for industrial control applications.

Key Features

- High-speed MLC NAND Flash
- Low power consumption: 1.56W
- Wide capacity range from 8GB to 128GB
- Industrial-grade extended temperature range of -40°C to 85°C
- Error Correcting Code (ECC)
- S.M.A.R.T. features supported
- H/W Power Detector and Flash Protection



Target Applications

Industrial Control System, Server, Embedded System, Kiosk, Networking, Medical, IoT-related applications

30μ Golden Finger	Anti-Sulfur Resistor	Conformal Coating	Wide Temperature	EDS & EMI Safe	Shock & Vibration Resistant	Lifetime Monitoring (LTM)	Wear Leveling	Secure Erase	TRIM	Low Power Consumption
●	—	—	●	●	●	●	●	●	●	●

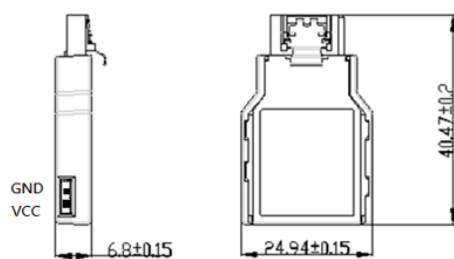
● Supported — Not available

Specifications

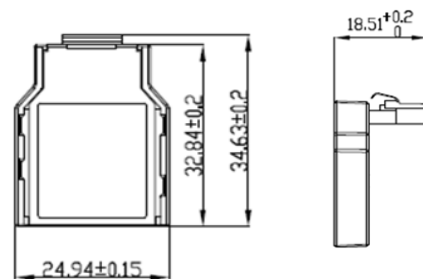
Model	ISMS331
Interface	SATA III 6.0Gbps
Form Factor	SATA 7 Pin
Dimensions (L x W x H)	38.4 x 23.4 x 8.45mm (Vertical w/o Housing) 40.5 X 25.0 X 6.8mm (Vertical with Housing) 32.6 x 23.4 x 17.3mm (Horizontal w/o Housing) 34.6 X 25.0 X 18.5mm (Horizontal with Housing)
Flash Type	MLC
Capacity	8GB – 128GB
Sequential Read (Max.)	340MB/s
Sequential Write (Max.)	200MB/s
Operating Temperature (Commercial)	0°C to 70°C
Operating Temperature (Industrial)	-40°C to 85°C
Operating Voltage	5V
Operating Humidity	5%-95% RH non-condensing
Power Consumption (Max.)	1.56W
MTBF (Million Hours)	2
Shock Resistance	1500G/0.5ms, Half Sine Wave
Vibration Resistance	20G (20-2000Hz)
Technologies	ECC, Flash Management, Wear Leveling,

Dimensions

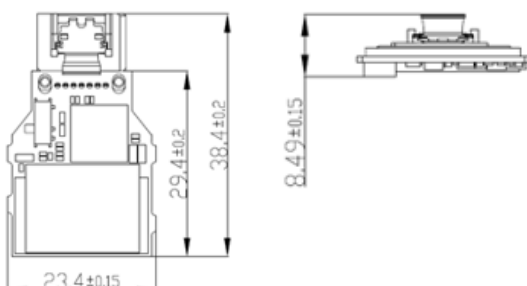
Vertical (with housing)



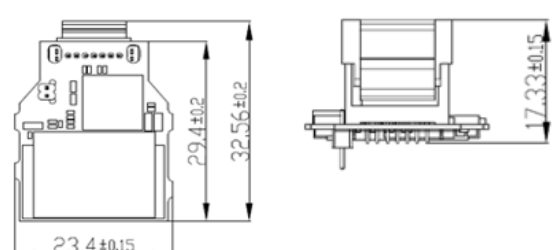
Horizontal (with housing)



Vertical (without housing)



Horizontal (without housing)



Ordering Information

Capacity	Vertical (w/o housing)		Vertical (w/ housing)	
	MLC Commercial (0°C to 70°C)	MLC Industrial (-40°C to 85°C)	MLC Commercial (0°C to 70°C)	MLC Industrial (-40°C to 85°C)
8GB	ISMS331-008GMV	ISMS331-008GTV	ISMS331-008GMV	ISMS331-008GTV
16GB	ISMS331-016GMV	ISMS331-016GTV	ISMS331-016GMV	ISMS331-016GTV
32GB	ISMS331-032GMV	ISMS331-032GTV	ISMS331-032GMV	ISMS331-032GTV
64GB	ISMS331-064GMV	ISMS331-064GTV	ISMS331-064GMV	ISMS331-064GTV
128GB	ISMS331-128GMV	ISMS331-128GTV	ISMS331-128GMV	ISMS331-128GTV

Capacity	Horizontal (w/o housing)		Horizontal (w/ housing)	
	MLC Commercial (0°C to 70°C)	MLC Industrial (-40°C to 85°C)	MLC Commercial (0°C to 70°C)	MLC Industrial (-40°C to 85°C)
8GB	ISMS331-008GMH	ISMS331-008GTH	ISMS331-008GMH	ISMS331-008GTH
16GB	ISMS331-016GMH	ISMS331-016GTH	ISMS331-016GMH	ISMS331-016GTH
32GB	ISMS331-032GMH	ISMS331-032GTH	ISMS331-032GMH	ISMS331-032GTH
64GB	ISMS331-064GMH	ISMS331-064GTH	ISMS331-064GMH	ISMS331-064GTH
128GB	ISMS331-128GMH	ISMS331-128GTH	ISMS331-128GMH	ISMS331-128GTH

