

DOM

Model		IUMU23C		IUM3M		ISMS331			
Interface		USB 10PIN (w/connector pitch: 2.54mm & 2.00mm)	USB 10PIN (w/connector pitch: 2.54mm & 2.00mm)	USB 10PIN (w/connector pitch: 2.54mm & 2.00mm)	USB 10PIN (w/connector pitch: 2.54mm & 2.00mm)	SATA 7PIN	SATA 7PIN	SATA 7PIN	SATA 7PIN
		Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical	Horizontal	Vertical
Capacity		512MB~8GB	512MB~8GB	8GB~32GB	8GB~32GB	4GB~32GB	4GB~32GB	6GB~128GB	6GB~128GB
Operating Voltage		5V	5V	5V	5V	5V	5V	5V	5V
Flash Type		SLC	SLC	MLC	MLC	SLC	SLC	MLC	MLC
Sequential Read (max.)		19MB/s	19MB/s	Up to 27MB/s	Up to 27MB/s	260MB/s	260MB/s	300MB/s	300MB/s
Sequential Write (max.)		18MB/s	18MB/s	Up to 17MB/s	Up to 17MB/s	260MB/s	260MB/s	180MB/s	180MB/s
Data Transfer Mode		USB 2.0	USB 2.0	USB 2.0	USB 2.0	SATA III 6.0Gbps	SATA III 6.0Gbps	SATA III 6.0Gbps	SATA III 6.0Gbps
Operating Temperature	Commercial	0°C to +70°C	0°C to +70°C	0°C to +70°C	0°C to +70°C	-10°C to +80°C	-10°C to +80°C	-10°C to +80°C	-10°C to +80°C
	Industrial	—	—	—	—	-40°C to +90°C	-40°C to +90°C	-40°C to +90°C	-40°C to +90°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	0°C to +55°C 5%~95% RH non-condensing	0°C to +55°C 5%~95% RH non-condensing
Power Consumption (max.)		1W	1W	0.9W	0.9W	1.56W	1.56W	1.56W	1.56W
MTBF		>2,000,000 hrs	>2,000,000 hrs	>1,000,000 hrs	>1,000,000 hrs	>2,000,000 hrs	>2,000,000 hrs	>1,000,000 hrs	>1,000,000 hrs
Vibration Resistance		20G (80~2000Hz)	20G (80~2000Hz)	20G (80~2000Hz)	20G (80~2000Hz)	20G (10~2000Hz)	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	1500G/0.5ms, Half Sine Wave	1500G/0.5ms, Half Sine Wave	1500G/0.5ms, Half Sine Wave	1500G/0.5ms, Half Sine Wave
Dimensions (L x W x H)		2.54mm: 36.9 x 26.6 x 8.7 mm	2.54mm: 45.4 x 26.6 x 5.3 mm	2.54mm: 36.9 x 26.6 x 8.7 mm	2.54mm: 45.4 x 26.6 x 5.3 mm	With Housing : 34.8 x 25.1 x 7mm Without Housing : 32.8 x 23.6 x 17mm	With Housing : 40.7 x 25.1 x 7mm Without Housing : 38.6 x 23.6 x 8.7mm	With Housing : 34.8 x 25.1 x 7mm Without Housing : 32.8 x 23.6 x 17mm	With Housing : 40.7 x 25.1 x 7mm Without Housing : 38.6 x 23.6 x 8.7mm
		—	—	2.0mm: 36.9 x 26.6 x 5.75 mm	—	—	—	—	—
S.M.A.R.T.		—	—	—	—	Supported	Supported	Supported	Supported
Write Protection		Supported	Supported	Supported	Supported	Optional	Optional	Optional	Optional
A+ SLC Mode		—	—	—	—	—	—	—	—
Features		Available with standard 2.54mm pitch and 7.1mm connectors Data read/write protection switch Flash Management Flash Protection Error Correcting Code (ECC) Wear Leveling function H/W Power Detector and Flash Protection		Available with standard 2.0/2.54mm pitch and 7.1mm/ low profile 4.3mm z-height connectors Data read/write protection switch Flash Management Error Correcting Code (ECC) Wear Leveling function H/W Power Detector and Flash Protection		2 Types of connector design Connector latch design Self-diagnostics and flash protection Flash Management Error Correcting Code (ECC) Wear Leveling function H/W Power Detector and Flash Protection Provide Housing Supported Supports H/W Write Protect Switch or Jumper			
Applications		Embedded Storage, Interactive Device, Networking, Medical Application							