

swissbit®

INDUSTRAL SATA SSD X-200s / X-200m SERIES SLIM SATA SSD (M0-297A) / mSATA SSD (M0-300B)



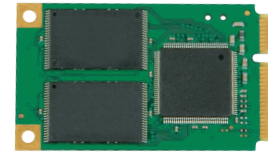
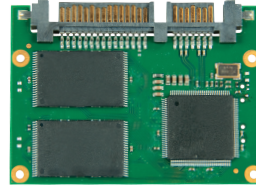
- JEDEC and SATA-IO compliant
- Cost efficient form factors
- Designed for industrial usage and highest reliability
- Advanced Wear Leveling, Bad Block Management with SLC NAND Flash for best endurance and data retention
- Data integrity assured with BCH 8/15 bit ECC engines
- Power fail protection
- Full S.M.A.R.T. support
- Commercial and industrial operating temperature range
- Controlled BOM & PCN process



INDUSTRIAL SATA SSD X-200s / X-200m SERIES
SLIM SATA SSD (M0-297A) / MSATA SSD (M0-300B)

The X-200 Series Slim SATA & mSATA embedded SSDs standard is ratified by JEDEC under specification number M0-297A & M0-300B. This products are designed as an costefficient Solid State Drive alternative to larger size SSDs in embedded applications.

The Slim SATA X-200s includes the same standard 22-pin SATA connector as the 2.5" drives. This allows system designers to leverage standard SATA cabling or host connections for their application.

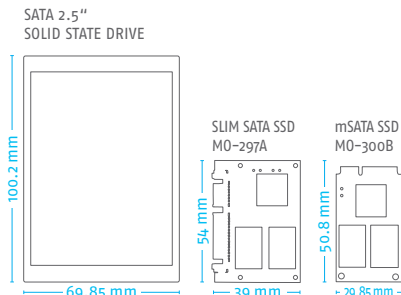


**SLIM SATA SSD
SOLID STATE DRIVE**

**mSATA SSD
SOLID STATE DRIVE**

Series	X-200s	X-200m
Interface Compliance	SATA II - 3 Gbit/s	SATA II - 3 Gbit/s
Connector	15 + 7pin Serial ATA	52 pin PCI Express (PCIe) mini
Physical Form	54 x 39 x 4.00 mm (M0-297A)	50.8 x 29.85 x 3.3 mm (M0-300B)
Flash Type	SLC	SLC
Density	2GB - 32 GB	2GB - 32 GB
Operating Temperature	Commercial: 0°C to +70°C Industrial: -40°C to +85°C	Commercial: 0°C to +70°C Industrial: -40°C to +85°C
Storage Temperature	-50°C to +100°C	-50°C to +100°C
Shock	1 500 G	1 500 G
Vibration	20 G	20 G
Humidity	85 % RH 85°C, 1000 hrs	85 % RH 85°C, 1000 hrs
Data Transfer Mode	PIO, MDMA, UDMA6	PIO, MDMA, UDMA6
Performance	Burst Rate up to 300 MB/s Read Seq. up to 120 MB/s Write Seq. up to 95 MB/s	Burst Rate up to 300 MB/s Read Seq. up to 120 MB/s Write Seq. up to 95 MB/s
Voltage	5 V +/- 10 %	3.3 V +/- 5 %
Power Consumption	UDMA6 typ. 260 mA, max 320 mA Idle 140 mA	UDMA6 typ. 300 mA, max 490 mA Idle 180 mA
Marking	Swissbit, Density, CE, Part Number, Lot Code, Mfg. Date	
Target Application	Industrial Embedded Systems, Medical Solutions, Point-of-Sales, Gaming Industry, Automation Solutions, etc.	
Tools	Swissbit LifeTimeMonitoring Application, Library API/DLL for extended S.M.A.R.T. option	
Part Number	SFSAxxxxVvBRxss-t-dd-2r6-STD	SFSAxxxxUvBRxss-t-dd-2r6-STD

PRODUCT SIZE COMPARISON



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