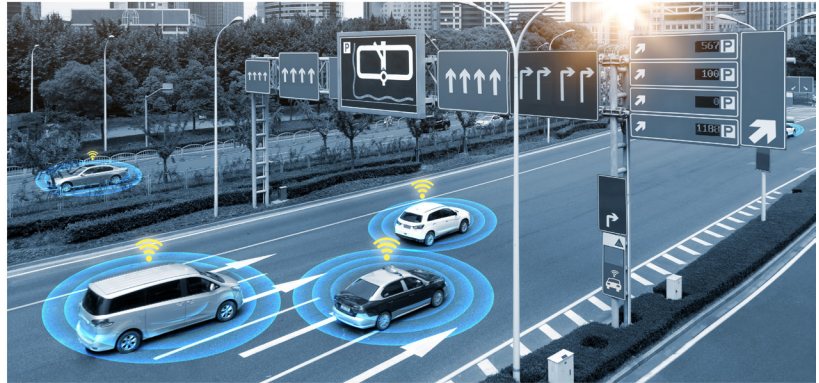


SSDs for Automotive and Industrial Markets



Thrive in Extreme Conditions Using Solid State Storage

Boost performance and reliability of leading-edge automotive electronics systems and industrial-grade applications with the Micron® M500IT and 2100AI/AT SSDs, which extend our proven client SSD portfolio into automotive and industrial domains.

Which Applications Are the Best Fit?

Combining an extended temperature range and robust data protection features, along with Micron's long-term product commitment and customer collaboration, creates a design that stands apart from the competition.

- **Automotive** – In-vehicle infotainment, navigation and driver information, adaptive driver assistance program, black box
- **Industrial** – Aerospace solutions, heavy robotics, remote communication equipment, medical equipment
- **Machine to Machine (M2M)** – Smart security, home, retail, energy and transportation solutions

Key Benefits

1. **Extended Temperature Ranges**
Withstand extreme environments via an industrial temperature range (M500IT: -40°C to 85°C, 2100AI: -40°C to 95°C), an automotive temperature range (2100AT: -40°C to 105°C), and adaptive thermal throttling.
2. **Robust Data Security**
Protect data with industry leading and on-the-fly hardware-based encryption, secure firmware download, and cryptographic erase.
3. **Data Path Protection**
Help protect user data as it passes through the SSD.
4. **Power-Loss Protection**
Protect data at rest, helping to ensure data integrity in unexpected power-loss events.
5. **Responsive Performance**
Deliver significantly faster boot, file and application load times compared to traditional hard drives.
6. **Low Power Consumption**
Consume considerably less power than typical hard drives.

Micron Automotive and Industrial SSDs

Choose the form factor that meets your application's specific performance, power, and space requirements



Family	Part	Density	Form Factor	Sequential Read/Write Performance	Endurance (TBW)	Encryption	Operating Temperature	Mean Time to Failure	Uncorrectable Bit Error Rate (UBER)	Vibration Value
M500IT	MTFDDAK128MBD-2AK12IYY	128GB	2.5-inch	Up to 500/ 130 MB/s	120TB	245-bit AES, Opal 2.0	-40°C to 85°C	3 million hours	1E-16	20G at 7-2000Hz
	MTFDDAT128MBD-1AK12IYY		mSATA							
	MTFDDAK256MBD-2AK12IYY	256GB	2.5-inch							
	MTFDDAT256MBD-1AK12IYY		mSATA							
2100AI	MTFDHBL064TDP-1AT12AIYY	64GB	BGA	Up to 550/ 200 MB/s	30TB	256-bit AES, Opal 2.0	Tcase = -40°C to 95°C	3 million hours	1E-16	N/A
	MTFDHBL128TDP-1AT12AIYY	128GB	BGA	Up to 1100/ 420 MB/s	60TB					N/A
	MTFDHBL256TDP-1AT12AIYY	256GB	BGA	Up to 2000/ 850 MB/s	120TB					N/A
	MTFDHBK256TDP-1AT12AIYY		M.2 2230							20G at 7-2000Hz
	MTFDHBL512TDP-1AT12AIYY	512GB	BGA	Up to 2000/ 1550 MB/s	240TB					N/A
	MTFDHBK512TDP-1AT12AIYY		M.2 2230							20G at 7-2000Hz
	MTFDHBM1T0TDP-1AT12AIYY	1TB	BGA	Up to 2000/ 1750 MB/s	480TB					N/A
	MTFDHBK1T0TDP-1AT12AIYY		M.2 2230							20G at 7-2000Hz
2100AT	MTFDHBL064TDQ-1AT12ATYY	64GB	BGA	Up to 550/ 200 MB/s	30TB	256-bit AES, Opal 2.0	Tcase = -40°C to 105°C	3 million hours	1E-16	N/A
	MTFDHBL128TDQ-1AT12ATYY	128GB		Up to 1100/ 420 MB/s	60TB					
	MTFDHBL256TDQ-1AT12ATYY	256GB		Up to 2000/ 850 MB/s	120TB					
	MTFDHBL512TDQ-1AT12ATYY	512GB		Up to 2000/ 1550 MB/s	240TB					
	MTFDHBM1T0TDQ-1AT12ATYY	1TB		Up to 2000/ 1750 MB/s	480TB					

Contact Us

Visit micron.com for more details on the M500IT and 2100AI/AT SSDs and how they can enhance your next innovative automotive, industrial or M2M solution. Contact your Micron sales representative with questions or for samples and support.

micron.com

Products are warranted only to meet Micron's production data sheet specifications. Products, programs and specifications are subject to change without notice. Dates are estimates only. ©2016 Micron Technology, Inc. All rights reserved. All information is provided on an "AS IS" basis without warranties of any kind. Micron, the Micron logo and all other Micron trademarks are trademarks of Micron Technology, Inc. All other trademarks are the property of their respective owners. Rev. H 2/19 CCMMID-676576390-3591

