Amber ME300 microSD Express Card

- Up to 900 MB/s Read & 800 MB/s Write
- Faster Game Load Times
- 1TB Capacity Up to 1 TB
- Wide Compatibility

The Biwin Amber ME300 microSD Express Card is engineered to elevate portable storage to higher performance levels for gaming and content creation. Compliant with the SD 7.1 specification, it leverages PCIe NVMe performance to deliver rapid read and write speeds up to 900 MB/s and 800 MB/s while maintaining backward compatibility with UHS-I devices. With capacities up to 1 TB, robust durability features, and a limited lifetime warranty, the ME300 combines speed, reliability, and versatility, turning handheld consoles, cameras, and laptops into more versatile hubs for data and entertainment.

Product Features

Better Performance While On-the-Go

Biwin Amber ME300 microSD Express Card, with a PCIe 3.1 interface and a standard microSD UHS-I interface, is built to make handheld gaming smoother and more immersive. It enables faster game launches, more stable performance in expansive titles, and more consistent responsiveness during intensive sessions. Whether exploring vast landscapes or jumping into competitive matches, ME300 sustains fluid visuals and steady gameplay for the next generation of portable gaming.

Faster Speed and Quicker Responses

The Biwin Amber ME300, compliant with the SD 7.1 specification, delivers read speeds up to 900 MB/s and write speeds up to 800 MB/s, bringing consistent, high-speed data management to compact storage. Large game environments load with a reduced delay, while updates install efficiently, and transitions between play sessions stay smooth. With the Amber ME300, responsiveness is maintained across every stage of gaming, sustaining immersion throughout each session.

Your Portable Gaming Library

The Biwin Amber ME300 offers capacities up to 1 TB, providing ample space for game collections and content. Players can switch between expansive adventures, competitive arenas, and story-driven campaigns without the burden of repeated deletions or downloads. The Amber ME300 turns a handheld console into a portable library, keeping every experience a vailable whenever inspiration strikes.

Broad Compatibility in One Card

Using advanced PCIe NVMe technology, the Biwin Amber ME300 is built to support next-generation microSD Express devices, while remaining backward compatible with UHS-I, making it a flexible option for upgrading in stages. The card adapts seamlessly across handheld consoles, cameras, and laptops without extra setup, delivering broad compatibility even amid evolving technology.

Biwin Storage Amber Series

For decades, Biwin has made the critical storage and memory you'll find in many of the leading digital devices that have defined our digital world. The Biwin Amber mobility brand offers the best of Biwin's consumer experience, a range of SSDs, DRAM, memory cards, USBs, and related accessories that will help you get the most out of your devices.

Biwin Amber is ideal for on-the-go professionals who need superior mobile storage and memory solutions.

Specifications

Model Name	Biwin Amber ME300		
Type	microSD Express Card		
Interface	UHS-I/PCIe Gen3×1		
Form Factor	SD7.1		
Capacity	256 GB	512GB	1 TB
Sequential Read (Up to)	900 MB/s	900 MB/s	900 MB/s
Sequential Write (Up to)	700 MB/s	800 MB/s	800 MB/s
Video Format (Up to)	4K RAW		
Speed Class	C10, U3, V30, A1		
Dimensions	15.0 × 11.0 × 1.0 mm		
Weight	2 g		
Operating Temperature	-25°C to +85°C		
Storage Temperature	-40°C to +85°C		
Certifications	CE, FCC, RoHS, VCCI, RCM, BSMI, KCC, WEEE		
Warranty	Limited Lifetime		

1. Tested by BIWIN labs. Actual performance may vary due to systems, devices, or environment.
2. Maintenance and future updates are required throughout the product lifecycle. Specifications are subject to change without notice.
3. The pictures are for illustration only. Actual products may vary due to product enhancements or changes.
4. Not all products are sold in all regions of the world.
5. As used for storage capacity, one megabyte (MB)= one million bytes, one gigabyte (GB) = one billion bytes, and one terabyte (TB) = one trillion bytes. Total accessible capacity varies depending on the operating environment. As used for buffer or cache, one megabyte (MB) = 1,048,576 bytes. As used for transfer rate or interface, megabyte per second (MB/s) = one million bytes per second, and gigabyte per second (GB/s) = one billion bytes per second.
6. While using the product, please be sure to make multiple backups of important data. Biwin is not liable for losses of personal data stored in the product.
7. Please visit www.biwintech.com for more details.

Global Headquarters:
BIWIN STORAGE TECHNOLOGY CO., LTD.
Building #4, South Zone #2, Zhongguan Honghualing Industrial Zone,
Nanshan District, Shenzhen, Guangdong, China
support@biwintech.com
www.biwintech.com

America Headquarters:
BIWIN TECHNOLOGY LLC
8725 NW 18th Terrace Suite 400, Miami, FL 33172, U.S.A
+1 (305) 456-3288

BIWIN SEMICONDUCTOR (HK) COMPANY LIMITED (Taipei Office)
2nd Floor, No. 158, Xinhu 2nd Road, Neihu District, Taipei City 114, Taiwan
+886 (2) 2795-282

©2025 BIWIN Storage Technology. All rights reserved.