

EM2H

- Surveillance / Edge AI • Factory Automation • Smart Retail
- Military / Defense • Gaming • Healthcare



microSD Card | SD 6.1

addlink EM2H MicroSD card uses an industrial-grade controller equipped with 3D TLC NAND flash to deliver better endurance and high performance. addlink EM2H meets UHS Speed Class 3 (U3) and Video Speed Class 30 (V30) standards for 4K Ultra HD and full HD video recording playback, features LDPC ECC, wear leveling, and Auto-read refresh features to ensure data accuracy and integrity. The EM2H MicroSD card is Automotive Grade (AEC-Q100 Grade 3) compliant and is waterproof (IPx7), shockproof, x-ray proof, and temperature proof for extreme conditions. They are available in 64GB to 256GB capacities and come with addlink's Toolbox software for easy management and real-time monitoring. It is an ideal solution for surveillance, edge AI, smart retail, military, gaming, healthcare, and automation applications.

Specifications

Form Factor / Interface	MicroSD / SD 6.1
Connector	SD 8 pin
Interface / SPEC	UHS-I, A2, V30, U3
Flash	TLC
Capacity	64~256GB
Sequential Read/Write (up to)	R: 95 MB/s, W:85 MB/s
Supply (V)	2.7V~3.6V
Max. Endurance (W/E)	3K
Max. Read/Write Current	400/400mA
Max. Standby Current	1mA
Waterproof	JIS IPX7
AEC-Q100	Yes
IATF16949	Yes
ESD	Contact: +/- 4KV, Air: +/- 8KV
Shock / Vibration	1500G0-P/0.5ms duration, 20Hz~80Hz/1.52mm 80Hz~2000Hz/20G
Operating Temperature	Standard: -25°C to 85°C, Industrial: -40°C to 85°C
MTBF	3M hrs

Features

- Automotive Grade (AEC-Q100 Grade 3) Compliance
- Water proof (IPx7), shock proof, vibration proof, X-Ray proof
- Meet UHS speed Class 3 (U3) and Video Speed Class 30 (V30) for 4K video recording
- Meet A2 rated for Android app performance
- High Endurance (3K P/E Cycles)
- Password Protection of cards*
- Support CPRM (Content Protection for Recordable Media)*
- Wide-temperature support: -40°C to 85°C

* It's optional function and support by specific firmware



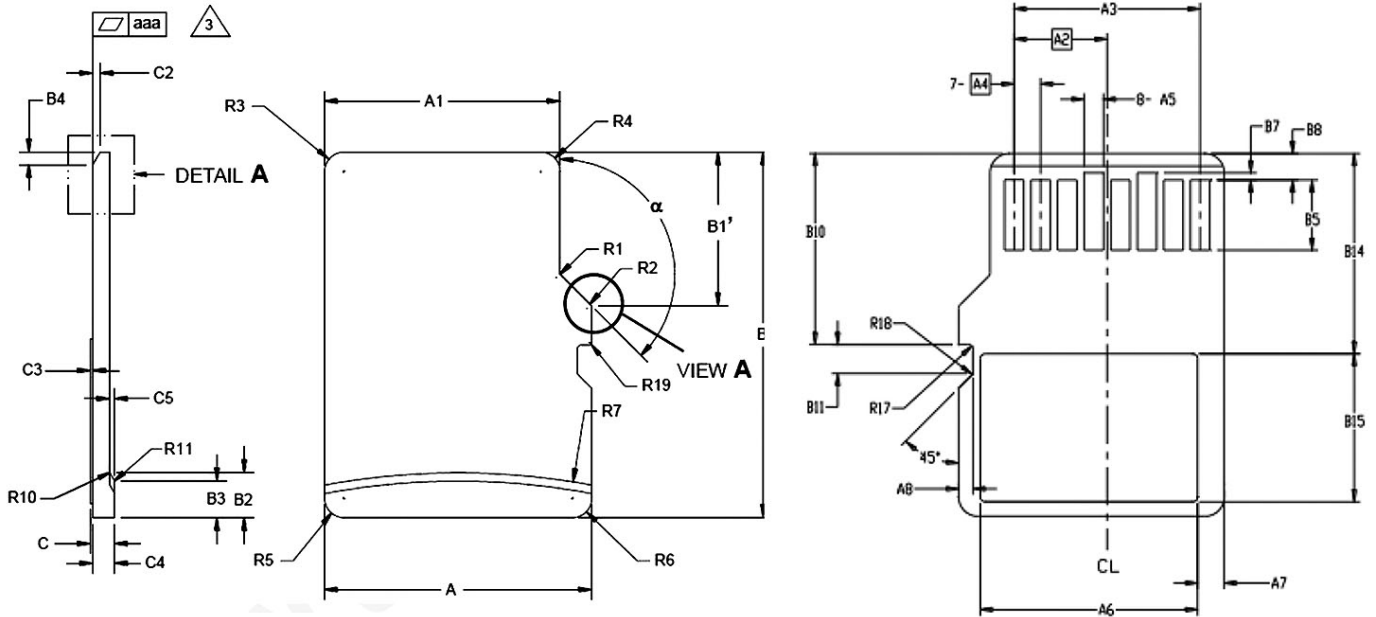
Write Protect	CPRM	Password Protection	IPX7	AEC-Q100	ToolBox	Auto Read Refresh	Sudden Power off Protection
○	○	○	●	●	●	●	○

● Default Implemented ○ On Request - Not Available

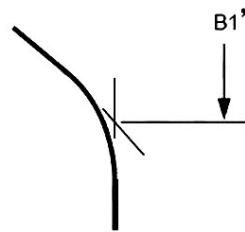


Dimensions

- 11.0 mm (L) x 15.0 mm (W) x 1.0 mm (H)

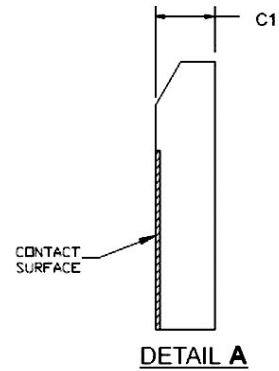


VIEW A



As measurement point is changed like as VIEW A, symbol B1 is changed to symbol B1'. There is no modification in mechanical dimension.

Type A



Ordering Information

Capacity	Commercial (-25°C~85°C)	Industrial (-40°C~+85°C)
64GB	ad64GBEM2HTG	ad64GBEM2HTA
128GB	ad128GBEM2HTG	ad128GBEM2HTA
256GB	ad256GBEM2HTG	ad256GBEM2HTA

