

# Samsung SD UHS-I Card : EVO Plus Lineup

2021 Datasheet

Revision 1.0



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## 1. TECHNICAL SPECIFICATIONS

Samsung SD Card EVO Plus					
Hardware Information	Form Factor	SDHC™	SDXC™		
	User Capacity	32GB	64GB	128GB	256GB
		31,998,345,216 Bytes <sup>1)</sup>	63,988,301,824 Bytes <sup>1)</sup>	128,010,158,080 Bytes <sup>1)</sup>	256,020,316,160 Bytes <sup>1)</sup>
	Bus Speed Mode	UHS-I SDR104 <sup>2)</sup> / UHS-I DDR200 <sup>3)</sup> with Samsung SD Reader			
	Dimensions	32 x 24 x 2.1 (mm) (L x W x H)			
Weights	Approx. 1.75g (Card only)				
Performance	Speed Class	Class 10, V10 <sup>4)</sup>		Class 10, V30 <sup>4)</sup>	
	Speed Grade	Grade 1 (U1)		Grade 3 (U3)	
	Transfer Speed <sup>5)</sup>	Up to 130MB/s			
Reliability	Temperature	Operating : -25°C to 85°C			
		Non-Operating : -40°C to 85°C			
	Durability	10,000 mating cycles			
7-Proof Features <sup>6)</sup>	Water-proof, Temperature-proof, Shock-proof, X-ray-proof, Magnetic-proof, Drop-proof, Wearout-proof				
EMC Certifications		FCC (IC), CE (UKCA), VCCI, RCM			
Warranty		10 year limited <sup>7)</sup>			

- 1) 1GB=1,000,000,000 bytes. Actual usable storage capacity may vary. User capacity measured with SD Formatter 3.1 tool with FAT file system.
- 2) SDR104: 1.8V Signaling, Frequency up to 208 MHz, up to 104MB/sec, Max. Current Consumption 800mA (varies by test conditions)
- 3) DDR200 : 1.8V Signaling, Frequency up to 208 MHz, up to 200MB/sec, Max. Current Consumption 800mA (varies by test conditions)
- 4) V10, V30 : Video Speed Class means sustained video capture rates of 10MB/s(V10) and 30MB/s(V30) which enable to support real-time video recording to UHS Bus IF products. Transfer speeds may vary by host device.
- 5) Performance results are based on internal testing conditions. Transfer speeds may vary by host device.
- 6) 1M depth, salt water, 72hrs. Operating temperatures of -25°C to 85°C (-13°F to 185°F), non-operating temperatures of -40°C to 85°C(-40°F to 185°F). Withstands shock up to 1,500g\* (g\* : gravitational acceleration) and standard airport x-ray machines (Up to 100mGy). Magnetic field equivalent of a high-field MRI scanner (Up to 15,000 gauss). Withstand drops up to 5meters (16.4feet). Up to 10,000 swipes. \*Samsung is not liable for any i) damages and/or loss of data or ii) expenses incurred from memory card data recovery.
- 7) Warranties provided herein do not extend to any use of the product for or with continuous recording instruments or any other write-intensive devices, including without limitation security cameras, surveillance systems, dashboard cameras, blackbox cameras, internet protocol/network cameras, continuous recording set top box devices and continuous data logging devices like servers, dedicated devices for benchmarking test, the primary drive for certain devices and any other excessive uses.

## 2. PRODUCT LINEUP

Form Factor	Lineup	Capacity	Model Name
SD	EVO Plus	32GB	MB-SC32K
		64GB	MB-SC64K
		128GB	MB-SC128K
		256GB	MB-SC256K

## 3. REVISION HISTORY

Revision Number	Description	Revision Date
1.0	Initial Release	August, 2021