






EXCERIA-microSD Specification

Non-CPRM

Retail Part Number	Global (with adapter)	LME1L256GG2	LME1L128GG2	LME1L064GG2	LME1L032GG2	LME1L016GG2
	Global (without adapter)	LME1L256GG4	LME1L128GG4	LME1L064GG4	LME1L032GG4	LME1L016GG4
	China	LME1L256GC4	LME1L128GC4	LME1L064GC4	LME1L032GC4	LME1L016GC4
	Japan	KMU-A256G	KMU-A128G	KMU-A064G	KMU-A032G	KMU-A016G
Bulk Number / Bulk Code No.1		SD-C256G3K2A(AHHPK / 205K5122	SD-C128G3K2A(AHHPK / 205K5121	SD-C64G3K2A(AHHPK) / 205K5104	SD-C32G3K2A(AHHPK) / 205K5071	SD-C16G3K2A(AHHPY) / 205K5055
Brand name		UHS-I E/M	UHS-I E/M	UHS-I E/M	UHS-I E/M	UHS-I E/M
Card Type		microSD	microSD	microSD	microSD	microSD
Capacity		256GB	128GB	64GB	32GB	16GB
Interface		UHS-I	UHS-I	UHS-I	UHS-I	UHS-I
Picture						
Approximate Usable Capacity *1		230.4GB	115.2GB	57.6GB	28.8GB	14.4GB
SD Specification		Ver.6.10	Ver.6.10	Ver.6.10	Ver.6.10	Ver.6.10
Video Speed Class *6		-	-	-	-	-
Application Performance Class *6		-	-	-	-	-
UHS Speed Class *6		1	1	1	1	1
Legacy Speed Class *6		10	10	10	10	10
Max. Read Speed *2		100MB/s	100MB/s	100MB/s	100MB/s	100MB/s
Max. Write Speed *2		-	-	-	-	-
RoHS Compatibility		V	V	V	V	V
Chinese RoHS Compatibility		10	10	10	10	10
CE		V	V	V	V	V
RCM		V	V	V	V	V
Waterproof *7		V	V	V	V	V
Dimensions	mm	L: 15,W: 11,T: 1	L: 15,W: 11,T: 1	L: 15,W: 11,T: 1	L: 15,W: 11,T: 1	L: 15,W: 11,T: 1
Weight(Approx.)		0.3g (Typ)	0.3g (Typ)	0.3g (Typ)	0.3g (Typ)	0.3g (Typ)
Available Date		2020	2020	2020	2020	2020
Country of origin		TAIWAN	TAIWAN	TAIWAN	TAIWAN	TAIWAN
Pre format type		exFAT	exFAT	exFAT	FAT32	FAT32
X-ray Proof *3		V	V	V	V	V
Shock proof		5m Free Fall	5m Free Fall	5m Free Fall	5m Free Fall	5m Free Fall
Available adapter TYPE		LADP1 (MADE IN CHINA)	LADP1 (MADE IN CHINA)	LADP1 (MADE IN CHINA)	LADP1 (MADE IN CHINA)	LADP1 (MADE IN CHINA)
Operating Voltage for UHS-II(v)		-	-	-	-	-
Operation Voltage for UHS-I and SD Interface(v)		2.7 to 3.6	2.7 to 3.6	2.7 to 3.6	2.7 to 3.6	2.7 to 3.6
Ambient Operating Temperature Range *8		TEMP:-25 to 85°C. (without condensation)	TEMP:-25 to 85°C. (without condensation)	TEMP:-25 to 85°C. (without condensation)	TEMP:-25 to 85°C. (without condensation)	TEMP:-25 to 85°C. (without condensation)

Transfer Speed (MB/s)	HDxxx(Read)					
	HDxxx(Write)					
	FD624(Read)					
	FD624(Write)					
	HD312(Read)	-	-	-	-	-
	HD312(Write)	-	-	-	-	-
	FD156(Read)	-	-	-	-	-
	FD156(Write)	-	-	-	-	-
	SDR104(Read)	100	100	100	100	100
	SDR104(Write)	-	-	-	-	-
	SDR50/DDR50 (Read)	48	48	48	48	48
	SDR50/DDR50 (Write)	-	-	-	-	-
HS(Read)	20	20	20	20	20	
HS(Write)	-	-	-	-	-	
Package Type	Global (with adapter) Japan	Blister with adapter	Blister with adapter	Blister with adapter	Blister with adapter	Blister with adapter
Package Dimensions(mm)		W:76,D:127,H:4.3	W:76,D:127,H:4.3	W:76,D:127,H:4.3	W:76,D:127,H:4.3	W:76,D:127,H:4.3
Package Weight(Approx.)		9g (Typ)	9g (Typ)	9g (Typ)	9g (Typ)	9g (Typ)
Carton Quantity (Units per box)		20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)	20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)	20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)	20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)	20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)
Inner Carton Dimensions(mm)		W: 129,D: 57,H: 78	W: 129,D: 57,H: 78	W: 129,D: 57,H: 78	W: 129,D: 57,H: 78	W: 129,D: 57,H: 78
Inner Carton Weight(Approx.)		198g (Typ)	198g (Typ)	198g (Typ)	198g (Typ)	198g (Typ)
Outer Carton Dimensions(mm)		W: 270,D: 305,H: 182	W: 270,D: 305,H: 182	W: 270,D: 305,H: 182	W: 270,D: 305,H: 182	W: 270,D: 305,H: 182
Outer Carton Weight(Approx.)		4400g (Typ)	4400g (Typ)	4400g (Typ)	4400g (Typ)	4400g (Typ)
Units per Pallet		Approx. 22400 units per pallet	Approx. 22400 units per pallet	Approx. 22400 units per pallet	Approx. 22400 units per pallet	Approx. 22400 units per pallet
Layers per Pallet		Approx. 7	Approx. 7	Approx. 7	Approx. 7	Approx. 7
Quantity per Layer		Approx. 3200 units	Approx. 3200 units	Approx. 3200 units	Approx. 3200 units	Approx. 3200 units
Package Type		Global (without adapter) China	Blister without adapter	Blister without adapter	Blister without adapter	Blister without adapter
Package Dimensions(mm)	W:76,D:127,H:4.3		W:76,D:127,H:4.3	W:76,D:127,H:4.3	W:76,D:127,H:4.3	W:76,D:127,H:4.3
Package Weight(Approx.)	7.8g (Typ)		7.8g (Typ)	7.8g (Typ)	7.8g (Typ)	7.8g (Typ)
Carton Quantity (Units per box)	20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)		20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)	20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)	20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)	20 units per inner carton; 20 inner cartons per outer carton (400 units per outer carton)
Inner Carton Dimensions(mm)	W: 129,D: 57,H: 78		W: 129,D: 57,H: 78	W: 129,D: 57,H: 78	W: 129,D: 57,H: 78	W: 129,D: 57,H: 78
Inner Carton Weight(Approx.)	175g (Typ)		175g (Typ)	175g (Typ)	175g (Typ)	175g (Typ)
Outer Carton Dimensions(mm)	W: 270,D: 305,H: 182		W: 270,D: 305,H: 182	W: 270,D: 305,H: 182	W: 270,D: 305,H: 182	W: 270,D: 305,H: 182
Outer Carton Weight(Approx.)	4000g (Typ)		4000g (Typ)	4000g (Typ)	4000g (Typ)	4000g (Typ)
Units per Pallet	Approx. 22400 units per pallet		Approx. 22400 units per pallet	Approx. 22400 units per pallet	Approx. 22400 units per pallet	Approx. 22400 units per pallet
Layers per Pallet	Approx. 7		Approx. 7	Approx. 7	Approx. 7	Approx. 7
Quantity per Layer	Approx. 3200 units		Approx. 3200 units	Approx. 3200 units	Approx. 3200 units	Approx. 3200 units

Bulk Number / Bulk Code No.1	SD-C256G3K2A(AHHPK / 205K5122	SD-C128G3K2A(AHHPK / 205K5121	SD-C64G3K2A(AHHPK) / 205K5104	SD-C32G3K2A(AHHPK) / 205K5071	SD-C16G3K2A(AHHYP) / 205K5055
Bulk Number / Bulk Code No.2	SD-C256G3K2A(ANHHPK / 205K5124	SD-C128G3K2A(ANHHPK / 205K5123	SD-C64G3K2A(AMHZP) / 205K5105	SD-C32G3K2A(AHHZP) / 205K5072	SD-C16G3K2A(AKHZP) / 205K5056
Bulk Number / Bulk Code No.3			SD-C64G3K2A(ANHHPK) / 205K5109	SD-C32G3K2A(AHHYP) / 205K5073	SD-C16G3K2A(AMHYP) / 205K5058
Bulk Number / Bulk Code No.4			SD-C64G3K2A(ANHZP) / 205K5106	SD-C32G3K2A(AMHHPK) / 205K5078	SD-C16G3K2A(AGHHPK) / 205K5467
Bulk Number / Bulk Code No.5				SD-C32G3K2A(AMHZP) / 205K5077	SD-C16G3K2A(AGHZP) / 205K5466
Bulk Number / Bulk Code No.6				SD-C32G3K2A(AMHYP) / 205K5076	
Bulk Number / Bulk Code No.7				SD-C32G3K2A(ANHYP) / 205K5079	
Bulk Number / Bulk Code No.8					
Bulk Number / Bulk Code No.9					
Bulk Number / Bulk Code No.10					

Capacity		256GB	128GB	64GB	32GB	16GB
Approximate Usable Capacity *1		230.4GB	115.2GB	57.6GB	28.8GB	14.4GB
Picture [shots] *4	5MPixel	162,710	81,350	40,670	20,330	10,160
	6MPixel	134,810	67,400	33,700	16,850	8,420
	8MPixel	108,470	54,230	27,110	13,550	6,770
	10MPixel	76,100	38,050	19,020	9,510	4,750
	12MPixel	62,080	31,040	15,520	7,760	3,880
	15MPixel	46,710	23,350	11,670	5,830	2,910
	18MPixel	38,510	19,250	9,620	4,810	2,400
Movie [min] *5	HD Movie(12Mbps)	2,620	1,310	650	320	160
	HD Movie(13Mbps)	2,410	1,200	600	300	150
	HD Movie(16Mbps)	1,960	980	490	240	120
	HD Movie(17Mbps)	1,850	920	460	230	110
	Full HD Movie(21Mbps)	1,490	740	370	180	90
	4K Movie(100Mbps)	314	157	78	39	19

*1: The Product is labeled based on the memory chip (s) they contain, not the amount of memory capacity available for data storage by the user. Part of the capacity is reserved for card functionality. For purposes of measuring memory capacity in this context, 1GB= 1,073,741,824 bytes

*2:Based on KIOXIA Corporation's test results. Read and write speed may vary depending on user-specific conditions such as devices used and file size read or written. For the purpose of calculating read/write speed in this context, 1MB/s=1,000,000 bytes/s.

*3:Compatible with ISO7816-1

*4:Approximate shots. Assumed compression rate = 1/4. Number of shots varies depends on photo subjects, shooting condition, resolution and compression.

*5:Approximate playtime. Actual time depends on the movie device,resolution and compression. 1Mbps=1,000,000 bps

*6: Indicates reading and writing speeds based on SD Association specifications.

*7 compatible with IPX7

*8 Based on KIOXIA Corporation's test results. The operation in all the situations is not warranted. KIOXIA Corporation does not warrant any data stored on the product.