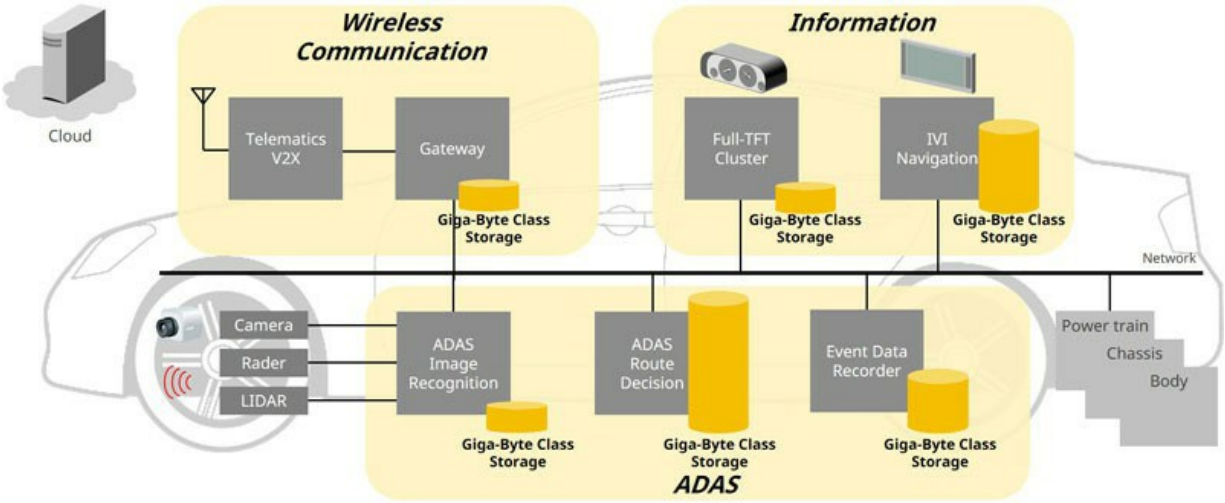
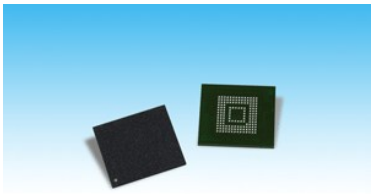
e-MMC/UFS for Automotive Information & Entertainment Systems





- De facto standard of embedded storage
- Optimized for Information & Entertainment Systems, ADAS etc.

Capacity	e-MMC	UFS
8GB	✓	-
16GB	✓	✓
32GB	✓	✓
64GB	✓	✓
128GB	-	✓
256GB	-	✓
512GB	-	✓

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AEC-Q100 Grade2

Capacity	Part Number	e-MMC version	Max Data Rate (MB/s)	Supply Voltage		Operating Temperature (℃)	Package Size (mm)
				V_{CC}[V]	V_{CCQ}[V]		
8GB	THGBMJG6C1LBAB7	5.1	400	2.7 to 3.6	1.70 to 1.95, 2.7 to 3.6	-40 to 105 (1)	11.5x13.0x1.0
16GB	THGBMJG7C2LBAB8						11.5x13.0x1.2
32GB	THGBMJG8C4LBAB8						
64GB	THGBMJG9C8LBAB8						

UFS

AEC-Q100 Grade2

Capacity	Part Number	UFS version	Max Data Rate (MB/s)	Supply Voltage			Operating Temperature (℃)	Package Size (mm)
				V_{CC} (V)	V_{CCQ} (V)	V_{CCQ2} (V)		
16GB	THGAF9G7L1LBAB7 (2)	2.1	1166	2.7 to 3.6	- (4)	1.70 to 1.95	-40 to 105 (1)	11.5x13.0x1.0
32GB	THGAFBG8T13BAB7							
	THGAFEG8T13BAB7 (2)							
64GB	THGAFBG9T23BAB8							11.5x13.0x1.2
	THGAFEG9T23BAB8 (2)							
128GB	THGAFBT0T43BAB8							
	THGAFET0T43BAB8 (2)							
256GB	THGAFBT1T83BAB5							11.5x13.0x1.3
	THGAFET1T83BAB5 (2)							
512GB	THGAFBT2T83BABI (3)							14.0x18.0x1.2

Note (1): Tc=115°C max.

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Note (2) : Maximum pre-load capacity is 100% of the user area capacity.

Note (3) : New product. Sample specifications may differ from mass production parts.

Note (4) : This product supports dual-supply operation at V_{CC} and V_{CCQ2}. V_{CCQ} need not be supplied.

Links

MLC/NAND Flash Memory

- e-MMC
- UFS
- e-MMC/UFS for Automotive Information & Entertainment Systems

Icon definitions: Open in new window. Open PDF in new window.

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