

## MANAGED FLASH | UFS

	Part Number	Capacity	e-MMC Version	Max Data Rate (MB/s)	Supply Voltage			Operating Temp (°C)	Package (mm)
					V <sub>cc</sub> (V)	V <sub>ccq</sub> (V)	V <sub>ccq2</sub> (V)		
Consumer Grade	THGAF8G8T23BAIL	32GB	2.1	1160	2.7 to 3.6	_ <sup>1</sup>	1.70 to 1.95	-25 to 85	11.5 × 13 × 0.8
	THGAF8G9T43BAIR	64GB							11.5 × 13 × 1.0
	THGAF8T0T43BAIR	128GB							
	THGAF8T1T83BAIR	256GB							
	THGJCT0T44BAIL	128GB	3.0	2320	2.4 to 2.7, 2.7 to 3.6	1.14 to 1.26	_ <sup>2</sup>	-25 to 85	11.5 × 13 × 0.8
	THGJCT1T84BAIC	256GB							11.5 × 13 × 0.95
	THGJCT2T84BAIC	512GB							
	THGJFAT0T44BAIL	128GB	3.1	2320	2.4 to 2.7, 2.7 to 3.6	1.14 to 1.26	_ <sup>2</sup>	-25 to 85	11.5 × 13 × 0.8
	THGJFAT1T84BAIR	256GB							11.5 × 13 × 1.0
THGJFAT2T84BAIR	512GB								

(1) Dual-supply operation at V<sub>cc</sub> and V<sub>ccq2</sub>. V<sub>ccq</sub> need not be supplied. (2) Dual-supply operation at V<sub>cc</sub> and V<sub>ccq</sub>. V<sub>ccq2</sub> need not be supplied.

Note: While UFS performance is higher Ver 3.1 > 3.0 > 2.1, the SoC will likely determine which version UFS is required. JEDEC intends each UFS version to be backward compatible with previous versions, but please confirm by evaluating the power supply voltage and SoC.

## MANAGED FLASH | e-MMC

	Part Number	Capacity	e-MMC Version	Process	Max Data Rate (MB/s)	Supply Voltage		Operating Temp (°C)	Package (mm)
						V <sub>cc</sub> (V)	V <sub>ccq</sub> (V)		
Consumer Grade	THGBMNG5D1LBAIT	4GB	5.0	FG NAND	400	2.7 to 3.6	1.70 to 1.95 2.7 to 3.6	-25 to 85	11 × 10 × 0.8
	THGBMNG5D1LBAIL								
	THGBMJG6C1LBAIL	8GB	5.1						
	THGBMJG7C1LBAIL								
	THGBMJG8C2LBAIL	16GB							
	THGAMRG7T13BAIL	16GB	5.1	BICS FLASH™	400	2.7 to 3.6	1.70 to 1.95	-25 to 85	11.5 × 13 × 0.8
	THGAMRG8T13BAIL	32GB							
	THGAMRG9T23BAIL	64GB							
THGAMRT0T43BAIR	128GB								
Industrial Grade	THGBMJG6C1LBAU7	8GB	5.1	FG NAND	400	2.7 to 3.6	1.70 to 1.95 2.7 to 3.6	-40 to 105 <sup>1</sup>	11.5 × 13 × 1.2
	THGBMJG7C2LBAU8	16GB							
	THGBMJG8C4LBAU8	32GB							
	THGBMJG9C8LBAU8	64GB							

(1) Tc=115°C max. Contact your KIOXIA sales representative for sample schedule

Definition of capacity: KIOXIA Corporation defines a megabyte (MB) as 1,000,000 bytes, a gigabyte (GB) as 1,000,000,000 bytes and a terabyte (TB) as 1,000,000,000,000 bytes. A computer operating system, however, reports storage capacity using powers of 2 for the definition of 1GB = 2<sup>30</sup> = 1,073,741,824 bytes and therefore shows less storage capacity. Available storage capacity (including examples of various media files) will vary based on file size, formatting, settings, software and operating system, such as Microsoft Operating System and/or pre-installed software applications, or media content. Actual formatted capacity may vary.