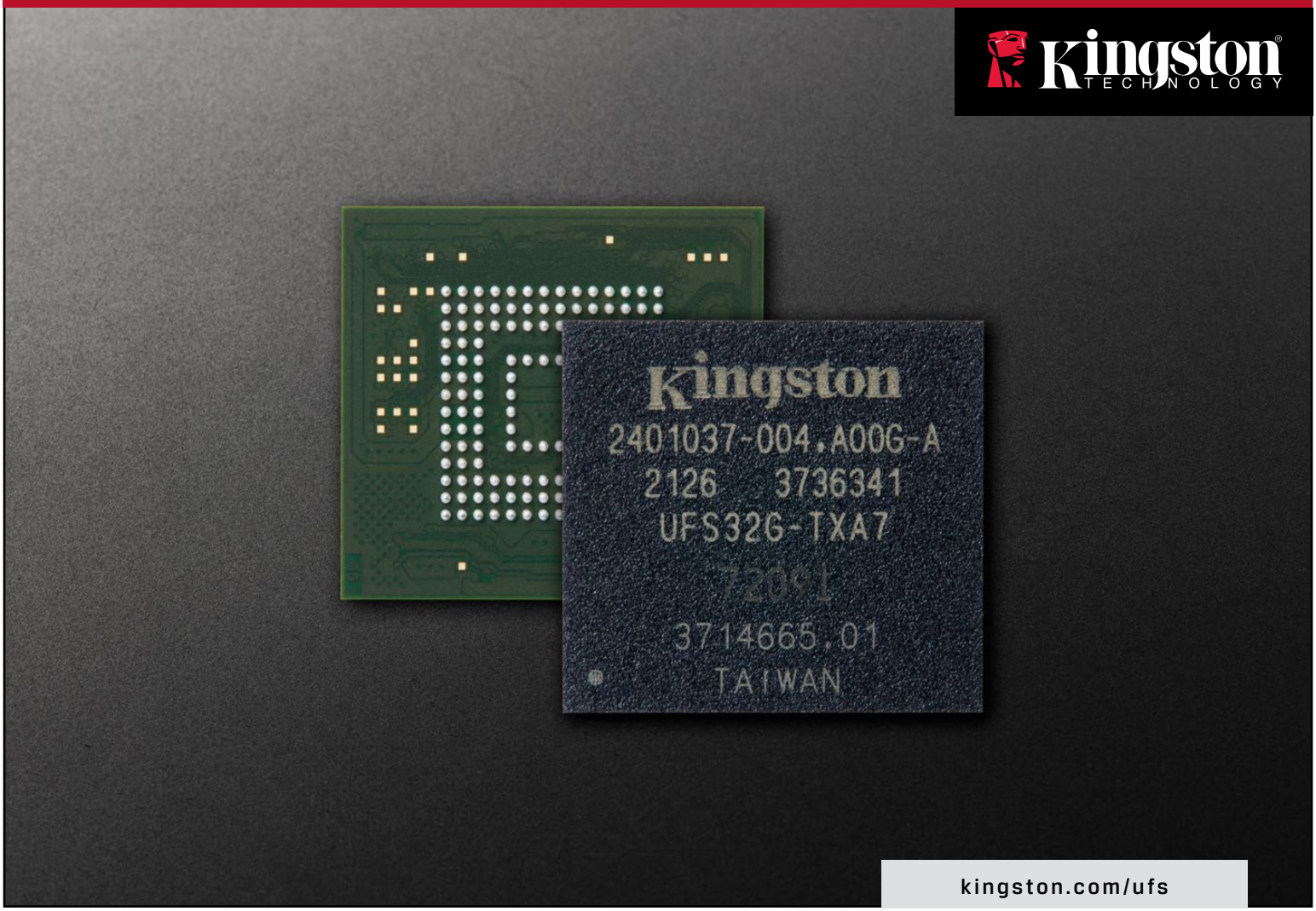


UFS

High performance storage for mobile and embedded applications

Kingston's Universal Flash Storage (UFS) is an ideal storage solution for applications that require high performance and low power in a single integrated package. The small form factor and low power consumption make UFS ideal for embedded and mobile applications. UFS is an open standard developed by the Joint Electronic Device Engineering Council (JEDEC). Compliance with this standard ensures compatibility with a large selection of host processors. Kingston's UFS devices integrate NAND flash non-volatile memory with Kingston's UFS controller in a single surface-mounted packaged device. Kingston's advanced UFS controller provides all the algorithms necessary to reliably manage the NAND flash memory while fully implementing the UFS functionality and features.

深圳市满度科技有限公司
Web:www.manduic.com
Tel:150-1290-5940
Email:sales@manduic.com
扫码查规格书

KEY BENEFITS

- Fast data transfers with high-speed serial interface utilising the MIPI Alliance M-PHY interface.
- With low power consumption including power-saving features, UFS is an ideal storage solution for many high-performance mobile applications.
- Based on proven industry standards, ensuring reliability and interoperability with many processors.
- Compact, small footprint makes UFS an ideal choice for small-form-factor designs.
- Lower cost, widely available storage solution.

MARKET SEGMENTS



Smartphones, TTablets, PCs and Chromebooks



Virtual reality and augmented reality devices



High-definition video, conference and surveillance systems

UFS PART NUMBERS AND SPECIFICATIONS

Part Number	Capacity	Description	Package	Operating Temperature
UFS32G-TXA7	32GB	UFS 2.1 G4 2L 153B 32GB	11.5x13x0.85	-25°C ~ +85°C
UFS64G-TXA7	64GB	UFS 2.1 G4 2L 153B 64GB	11.5x13x0.85	-25°C ~ +85°C
UFS64G-CY14	64GB	UFS 3.1 G4 4P TLC 153B 64GB	11x13x0.85	-25°C ~ +85°C
UFS128-CY14	128GB	UFS 3.1 G4 4P TLC 153B 128GB	11x13x0.85	-25°C ~ +85°C
UFS256-CY14	256GB	UFS 3.1 G4 4P TLC 153B 256GB	11x13x0.95	-25°C ~ +85°C

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深圳市满度科技有限公司
Web:www.manduic.com
Email:sales@manduic.com