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⏎ UFS
KLUEG8U1EM-B0B1

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OVERVIEW   SPECIFICATIONS   RELATED RESOURCES

Samsung Universal Flash Storage(UFS) takes the higher bandwidth and faster interface speed of an SSD and combines them with the lower power consumption and smaller form factor of eMMC's architecture. Consumers will enjoy a better overall user experience, with fast boot times, a high-speed interface, and high-speed PC sync. Universal Flash Storage(UFS) solutions can cover your future design needs, whether those are high-end smartphones and detachable PCs or low- and mid-range smartphones and tablet PCs. Our Universal Flash Storage(UFS) is built on our leading-edge technology and tightly integrated with our highly intelligent controller and firmware to provide the highest level of performance and quality for our Universal Flash Storage(UFS) devices. Furthermore, our Universal Flash Storage(UFS) embedded storage provides mobile devices with the best of two worlds: the high performance of the SATA interface for PCs and the flash-optimized low power consumption of eMMCs. The explosive growth of data-intensive mobile apps is creating a growing need that current Flash solutions may not be able to meet in the near future. Samsung Universal Flash Storage(UFS) provides the dramatic change in architecture that is needed not only to meet mobile users' future demands, but is also capable of immediately increasing performance while lowering power consumption. Samsung Universal Flash Storage(UFS) is uniquely positioned to benefit both device designers and consumers.

SPECIFICATIONS
UFS › KLUEG8U1EM-B0B1

Production Status	EOL	Density	256 GB
Package Size	11.5x13x1.2	Temperature(°C)	-25°C ~ 85°C
Version	2.0	Application	Smart Phone, Tablet, Smart TV

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PRODUCTS

DRAM
- Server DRAM
- PC DRAM
- Mobile DRAM
- Consumer DRAM
- Graphic DRAM
Flash Storage
- V-NAND Technology
- Client SSD
- Enterprise SSD
- eMMC
- UFS
MCP
- eMMC Based MCP
- ePoP

Exynos Solution
- Application Processor
- ModAP
- Modem/RF
CMOS Image Sensor
- Mobile CIS
- Industry CIS
Display Solution
- Mobile DDI
- Panel DDI/TCON
- Touch Controller
Security Solution
- Smart Card
- NFC
Power IC
Bio-Processor

APPLICATION

Data Center
- Web Server
- Application Server
- DB Server
- Storage Server
Mobile Device
- Smartphone
- Tablet
- Wearable
Consumer Device
- Desktop
- Notebook
- Smart TV
- Game Console
By Industry
- Automotive
- Industrial
- Banking/ID
- Healthcare & Wellness

FOUNDRY

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Manufacturing
Process Technology
- 14nm
- 32/28nm
- 45nm
- 65nm
Service
- Design Solution
- MPW Shuttle Service
- Mask Service
- Back-end Service
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