⬅ Mobile DRAM

K3RG3G30MM-MGCH

24Gb M-die Low Power DDR4 of 366FBGA

K3RG3G30MM-MGCH

OVERVIEW   SPECIFICATIONS

Samsung LPDDR4 mobile DRAM is high-speed, power-saving memory built specifically for smartphones and tablets. LPDDR4 provides higher bandwidth and greater density for superb graphic resolution, smooth streaming multimedia and instant-on, instantplay performance. Multitasking, longer standby, larger screen sizes and thinner profiles are also possible using LPDDR4 mobile DRAM. When choosing Samsung LPDDR4 memory, manufacturers gain the following exceptional design advantages while end users benefit from enhanced performance.

SPECIFICATIONS

Density	24Gb	Organization	x64
Speed(Mbps)	3200	Package	366FBGA
Vdd/Vddq(V)	1.8/1.1	Temperature(C)	-25~85
Production Status	Mass Production	Application	Smartphone

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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

APPLICATION

Exynos Solution
- Application Processor
- ModAP
- Modem/RF

CMOS Image Sensor
- Mobile CIS
- Camera 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
- DSC/DSLR
- Smart TV
- Game Console

By Industry
- Automotive
- Banking/ID
- Healthcare & Wellness

FOUNDRY

About Samsung Foundry
Manufacturing
Process Technology
- 14nm
- 32/28nm
- 45nm
- 65nm

Service
- Design Solution
- MPW Shuttle Service
- Mask Service
- Back-end Service
- E-service

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