

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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  - 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
  - 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

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