

MediaTek Helio G35

HyperEngine Enhanced Mainstream Gaming Smartphones

MEDIATEK

The MediaTek Helio G35 brings HyperEngine enhancements and up to 2.3GHz CPU speeds to mainstream gaming smartphones. Combining a fast octa-core CPU with capable IMG PowerVR GE8320 graphics and sharp FullHD+ displays, this chip packs speed, and great visuals.

All-round optimizations greatly enhance battery life, such as its highly efficient 12nm production process, hardware-based imaging, and location engines, plus MediaTek HyperEngine optimizations that manage power efficiency for best use of the smartphone resources.

Multi-camera support gives brands design flexibility, while light AI-camera capabilities enable enhancements such as AI beautification, Smart Photo Album, and enhanced precision in single or dual-camera Bokeh capture.

Dual 4G SIM enables more reliable coverage and consistent user experience, plus VoLTE/ViLTE services that provide the best possible call and live video experience. The G35 integrates a comprehensive 4G LTE WorldMode modem, and Bluetooth/Wi-Fi co-existence simplifies product design and assures a reliable performance. HyperEngine networking enhancements mean an overall faster response and more reliable connections to ensure you can always stay connected when in game.

MediaTek HyperEngine

- Intelligent, ultra-fast prediction of Wi-Fi & LTE usage
- Faster response between smartphone and cell-tower
- Defer calls without dropping the data connection
- Intelligent, dynamic management of CPU, GPU and memory
- Smoother performance even in games with demanding action
- Enhanced power efficiency for even longer gameplay

Superb Photography

- Light AI-Camera Enhancements
- Hardware dual camera with depth engine
- Single or dual camera bokeh (DoF)
- InstantAE, CCU, EIS, RSC accelerators

MediaTek Helio G35

CPU	Octa-Core: 8x ARM Cortex-A53 up to 2.3GHz, total 1MB L2 cache
Memory	2x LPDDR4x (Up to 6GB, 1800MHz); 2x DDR4 (Up to 6GB, 1200MHz); 1x LPDDR3 (933MHz, up to 4GB)
GPU	IMG PowerVR GE8320 up to 680MHz
Camera	25MP @ 30fps, 13+8MP @ 30fps
Video Decoding	FHD @ 30FPS, H.264/HEVC
Video Encoding	FHD @ 30FPS, H.264
Display	2400 x 1080 (Full HD+) @ 20:9
Storage	eMMC 5.1
Modem	LTE Cat 7 (DL) / Cat-13 (UL) (FDD/TDD), DL/UL CA, TAS 2.0, HPUE, IMS (VoLTE/ViLTE/WFC), eMBMS, Dual 4G VoLTE (DSDS), Band 71, Dual 4G SIM
Connectivity	Wi-Fi 5 (802.11 a/b/g/n/ac), Bluetooth 5.0, Multi-GNSS options, FM radio