MediaTek Helio G90 & G90T - our first G-Series chipsets – are exclusively designed to be the core of an incredible smartphone gaming experience. We combine the latest CPU and GPU cores with ultra-fast memory and massive AI performance to deliver fast, fluid action. Paired with MediaTek's HyperEngine game technology we tune your entire smartphone for mobile game play.

# MediaTek helio G908G90T



### **AI POWER**

A mix of hardware (CPU, GPU & Al engines) that deliver up to 1 TMACs performance. Fast and precise AI facial detection and AI to accelerate an array of camera applications.



# **CAPTIVATING AI CAMERA**

High-resolution single 64MP and 48MP super-sized camera support. Smooth, real-time previews and a remarkable night shot mode. Supports dual-camera arrays of up to 21MP + 16MP and captures ultra-fast video at up to 240fps. Triple-ISP design optimizes power and performance.

### **DUAL 'WAKE-UP WORD'** SUPPORT

Integrated dual wake-up word support listens to more than one trigger word simultaneously. Wakes virtual assistants like Google Assistant or Amazon Alexa.

Arm Cortex-A76 plus Cortex-A55 octa-core up to 2.05GHz Arm Mali-G76 3EEMC4 with speeds up to 800MHz LPDDR4x up to 10GB, 2133MHz 64MP single & 21MP + 16MP dual Cat-12 4G LTE modem (download speed up to 1Gbps and MediaTek smart antenna switching.)

CPU GPU Memory Camera Connectivity

# **This Chip Changes Everything**

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# MediaTek helio G Series **6 HyperEngine Game Technology**

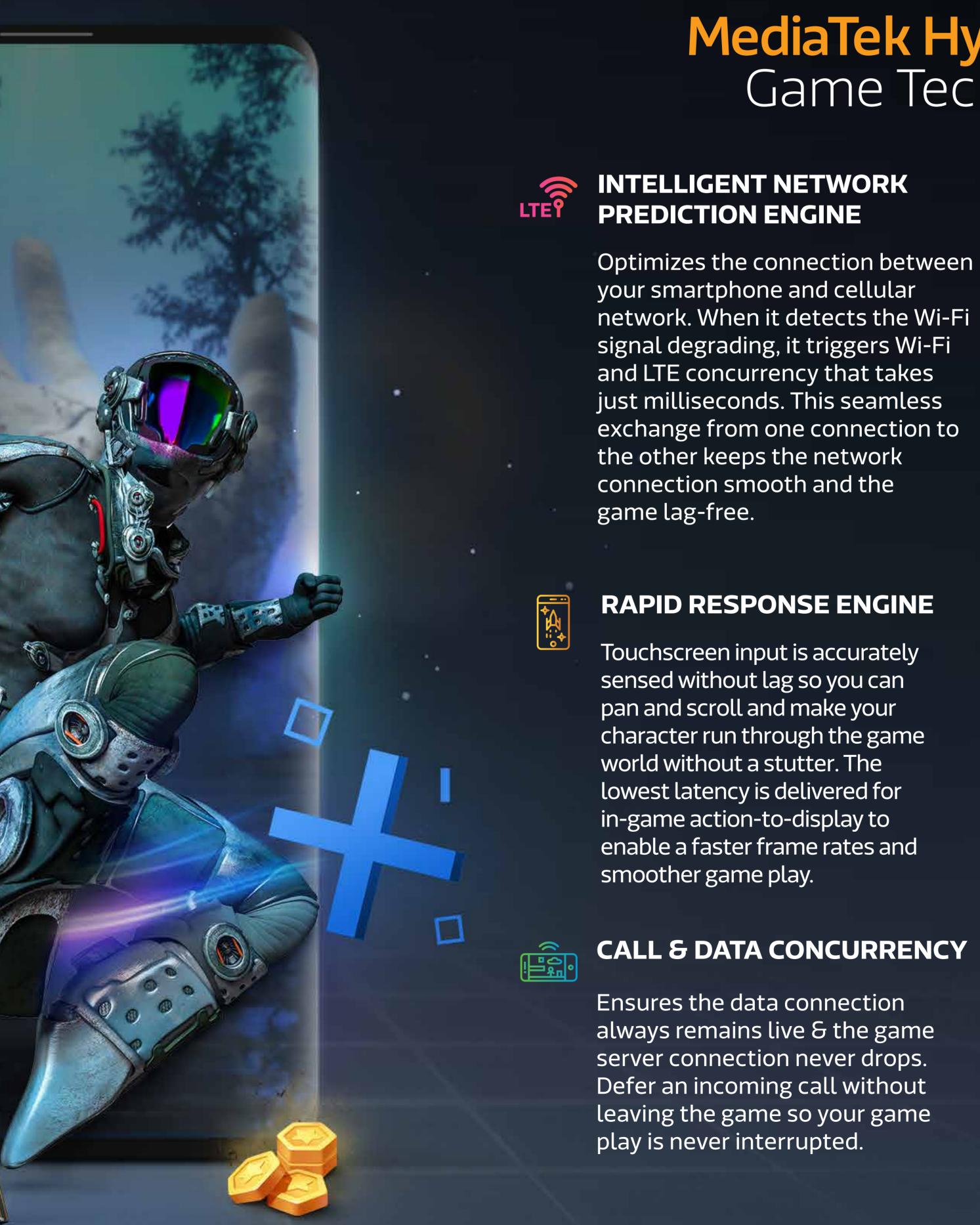
## **GIGABIT-CLASS CONNECTIVITY**

Cat-12 4G LTE modem with download speeds up to 1Gbps, 3x carrier aggregation and 4x4 MIMO technology.

# WHAT'S INSIDE

MediaTek helio/G90





http://i.mediatek.com/G90Series

# MediaTek HyperEngine Game Technology

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## **DUAL WI-FI CONNECTIONS**

Allows a single smartphone antenna to be connected to two Wi-Fi bands (2.4GHz/5GHz) or two routers simultaneously. When one of the bands or routers is busy, the data can be seamlessly shifted to the alternative connection to ensure reliability, decrease latency and reduce game jitter.

# **INTELLIGENT RESOURCE** MANAGEMENT

Technology for optimal performance that automatically delivers smoother, fluid, and high performance frame rates. At the same time, power consumption is reduced. Game play is always fast and lasts longer.

# PICTURE QUALITY ENGINE

Picture Quality Engine provides Support for the latest HDR10 standard with 10-bit Color Depth for vivid visuals on HDR-enabled smartphone displays for theater-like viewing. Deep picture quality enhancements bring better contrast, sharpness, and improved fine details for true-to-life gaming experiences.

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