MT8167B

Highly Responsive, Quad-core Tablet SoC with Design and Cost Efficiency

The MediaTek MT8167 is a cutting-edge tablet SoC built for all-day, high-speed performance with great power efficiency. It is a highly-integrated two-chipset package, needing only AP and a PMIC unit, greatly simplifying tablet design development and time to market.

Movies, Internet browsing, and application use are made seamless and responsive thanks to the 64-bit Quad-core processing using four, 64-bit ARM Cortex-A35 cores and an Imagination PowerVR GE8300 GPU. Versus the ARM Cortex-A53, the new Cortex-A35 consumes up to 32% less battery power, allowing users to play, work or browse even longer.

The MT8167 provides support for fast DDR4 memory, USB Type-C connectivity and incorporates MiraVision, a leading MediaTek display enhancement technology.

The MT8167 platform is available in two versions, A and B. The MT8167B provides supports for 1080p video decoding at 30fps and support for a HD+ display (1280x800).

A GPS and 802.11ac module (MT6630) can easily be incorporated into the package, providing flexibility for manufactures in their designs and goals.

### Processor

**CPU Cluster 1:**
ARM Cortex-A35 @ 1.3GHz

**CPU Core:**
Quad (4)

**CPU Bits:**
64-bit

**Memory:**
DDR3, LPDDR3, DDR4

### Graphics

**GPU Type:**
IMG PowerVR GE8300

**Display Resolution:**
1280 x 800

**Video Encode:**
H.264

**Video Decode:**
H.264, H.265 / HEVC

### Connectivity

**Connectivity:**
Bluetooth, GPS, Wi-Fi, Wi-Fi Display

**Wi-Fi (IEEE 802.11):**
a/b/g/n/ac

**Wi-Fi Frequency:**
2.4GHz, 5GHz