

# MediaTek M60 - 5G RedCap Modem

World's 1<sup>st</sup> Modem-RF SoC for 5G IoT and Wearables

## 3GPP Release-17 standard

- R17 UE power saving
- R17 coverage enhancement
- R17 small data transmission

## MediaTek 5G RedCap UltraSave

MediaTek 5G RedCap UltraSave ensures the M60 a clear choice for power-limited applications, minimizing costs, and promoting energy sustainability in large device deployments.

- 60% lower power vs 4G IoT modem solutions
- 70% lower power vs 5G eMBB modem solutions
- Additional 10% power saving with Release-17 power saving features enabled, including:
  - Paging Early Indication, UE Subgrouping, and TRS info in idle mode
  - PDCCH monitoring adaptation, and RLM relaxation in connected mode

A central image of the MediaTek M60 chip, which is a square component with a dark surface and a glowing yellow border. The text "MediaTek M60" is printed in white on the chip's surface.

MediaTek  
M60

## Key Modem Technologies

- LTE & NR-FR1 (20MHz)
- Up to 256 QAM DL/UL
- 1T2R MIMO
- 1CC
- Network slicing

## Extremely Compact Platform

Extremely compact platforms with simplified, yet highly reliable antenna designs are required for wearable and IoT devices.

- World's 1<sup>st</sup> RFSOC with highly integrated modem and RF sub-system
- 60% smaller core chipsets PCB area vs 4G IoT modem solutions

<https://www.mediatek.com/technology/5g/5g-redcap-modem>

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