QUALCOMM® SNAPDRAGON™ WEAR

2100

WEARABLES PROCESSOR

The Next Generation Wearables Processor

The Snapdragon Wear 2100 is optimized for wearables:

+ Smaller size
  • 10mm x 10mm ePoP package
  • 25% smaller modem*
  • Codec integrated into PMIC

+ Power efficient
  • 25% lower power overall*
  • 80% lower power sensor hub*
  • 43% lower power GPS*

+ Integrated Gen 8C GNSS

+ Integrated NXP NFC solution

+ Single PCB for tethered and connected designs

+ Software support for Android and Android Wear

+ Multiple ODM designs available for connected & tethered smartwatches and kid & elderly trackers

To learn more visit:
snapdragon.com or **qualcomm.com/wearables**

*As compared to Snapdragon 400
Qualcomm Snapdragon is a product of Qualcomm Technologies, Inc.

USER EXPERIENCES

30% Smaller*

Supports an ever-widening range of thinner, sleeker wearable designs for multiple applications

Low Power

25% lower power* across tethered and connected, versions allow longer battery life, smaller designs, and robust features

Always connected

Next-gen LTE modem, integrated GNSS, low power Wi-Fi and Bluetooth
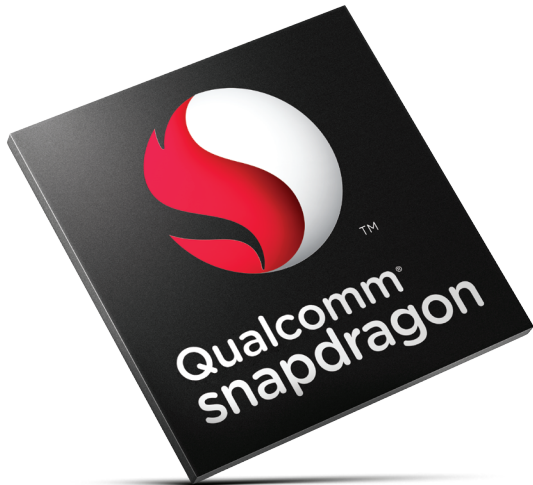
Smart Sensing

Integrated low power sensor hub enabling richer algorithms and greater accuracy

Snapdragon Wear Platform

A common package for both connected and tethered designs, multiple ODM partners, help accelerate development and reduce cost

Qualcomm®
snapdragon™

Snapdragon Wear 2100 brings new and enhanced wearable experiences to consumers with a smaller, more efficient processor with both tethered and LTE connected version.

FEATURES & SPECIFICATIONS

CPU
+ Quad ARM Cortex A7 up to 1.2 GHz optimized for wearables

GPU
+ Qualcomm® Adreno™ 304 GPU: OpenGL ES 3.0, optimized power for wearables

DSP
+ Integrated modem DSP shared for modem, GNSS, sensor processing, keyword detection and audio

Memory
+ 10x10 ePoP memory
+ 400 MHz LPDDR3, eMMC 4.5

Display
+ Up to 640x480 at 60fps, optimized for wearables

Modem
+ Integrated X5 LTE Global Mode modem, supporting LTE FDD, LTE TDD, 1x Adv, EV-DO Rev. A, TD-SCDMA and GSM/EDGE
+ Accelerated operator certification
+ RF WTR2965

Power Management
+ Integrated audio codec

Qualcomm Audio
+ Fluence™ HD with Noise Cancellation
+ Snapdragon Voice Activation
+ Snapdragon Voice+

Connectivity
+ WCN3620/3615/3610
+ 802.11b/g/n (2.4GHz)
+ Qualcomm® IZat™ Gen8C location technology
+ USB 2.0
+ BT4.1 + BLE
+ Integrated NFC through NXP/ Qualcomm collaboration

Security
+ Qualcomm® SecureMSM™ foundation