QUALCOMM® SNAPDRAGON™ WEAR 1100 WEARABLES PROCESSOR

The Wearables Processor for Targeted Purpose Devices

The Snapdragon Wear 1100 is designed for targeted purpose wearables:

+ Compact 79mm² size including MDM, PMIC and WTR, in 28nm LP
+ Integrated Next Gen 4G LTE CAT 1 multimode modem with Power Save Mode (PSM)
+ Integrated voice support for CSFB and VoLTE
+ Integrated Qualcomm® iZat™ Gen 8C GNSS
+ ARM Cortex A7 CPU
+ Pre-integrated support for Qualcomm® Vive™ Wi-Fi/Bluetooth, featuring Qualcomm® MU | EFX MU-MIMO
+ Software support Linux and RTOS
+ Multiple ODM designs available

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

USER EXPERIENCES

45% Smaller*

Compact package allows for highly optimized wearable designs

Low Power

Low power design allows up to 7-days of LTE standby†, for longer battery life

Always connected

Next-gen 4G LTE CAT 1 multi-mode modem, with integrated GNSS

Smart Sensing

Integrated low power sensor hub enabling richer algorithms and greater accuracy

Secure Location

Combining robust security with Qualcomm iZat Gen 8c GNSS for trusted location tracking

Snapdragon Wear Platform

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

Qualcomm® snapdragon™

* As compared to Qualcomm QSC6270.

† When paired with a typical, 350 mAh battery.

Snapdragon Wear 1100 provides a low-power, GNSS and LTE enabled processor for smart tracker and targeted purpose wearables

FEATURES & SPECIFICATIONS

CPU

+ Integrated Applications Processor with ARM Cortex A7 at 1.2 GHz with 256KB L2 cache

Memory

+ Support for discreet or MCP NAND and LPDDR2

Display

+ Support for simple UI and displays

Cost-Optimized

+ Integrated features designed to reduce Bill-of-Materials (BOM) and NRE for customers including an ARM Cortex A7 eliminating the need for MCUs, GNSS for location services, and scalable software re-use across chipset platform

Power Management

+ Ultra-low Rock Bottom Sleep Current (RBSC) for extended standby
+ Power Save Mode (PSM)

Modem

+ Integrated 4G CAT 1 LTE Global Mode modem, supporting LTE FDD, LTE TDD, TD-SCDMA and GSM
+ Up to 10 Mbps downlink and 5Mbps uplink with LTE multi-mode and LTE single mode capability with dual and single Rx support
+ Integrated voice support for Circuit Switch Fall Back (CSFB) and VoLTE
+ Core modem with proven and trusted technology already deployed across hundres of millions of devices worldwide

Location

+ IZat Gen 8C location technology
+ GPS, GLONASS, Galileo, and BeiDou constellations supported
+ Pinpoint location, even in challenging urban environments

Scalable

+ Broad software re-use to reduce design complexity, BOM, and NRE
+ Scalability to add voice, Wi-Fi, and Bluetooth capabilities

Connectivity

+ Pre-integrated support to add VIVE Wi-Fi (1x1, 802.11ac) featuring Qualcomm MU|EFX MU-MIMO technology and Bluetooth 4.1/ Bluetooth Low Energy

Charging

+ Companion charging chipset

Security

+ Hardware based security with Secure Boot/storage/debug, hardware crypto engine, hardware random number generator, and Trustzone

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