

QUALCOMM®  
SNAPDRAGON™ WEAR

1200

WEARABLES  
PROCESSOR

## The Wearables Processor for Targeted Purpose Devices

**The Snapdragon Wear 1200 is designed  
for targeted purpose wearables:**

- + Compact 79mm<sup>2</sup> size including MDM, PMIC and WTR, in 28nm LP
- + Integrated Cat-M1 / NB1 / E-GPRS multi-mode modem with Power Save Mode (PSM) and extended Discontinuous Receive (eDRX)
- + Integrated voice support for VoLTE
- + Integrated Qualcomm® Location with multiple global satellite systems
- + ARM Cortex A7 CPU
- + Pre-integrated support for Qualcomm® 11ac Wi-Fi and Bluetooth 4.2/Bluetooth Low Energy
- + Software support for Linux and RTOS
- + ODM designs available

To learn more visit:

[snapdragon.com](http://snapdragon.com) or [qualcomm.com/wearables](http://qualcomm.com/wearables)

\* As compared to Qualcomm QSC6270.

† When paired with a typical, 350 mAh battery and using eDRX.

Qualcomm Snapdragon Wear, and Qualcomm Location and Qualcomm 11ac Wi-Fi are products of Qualcomm Technologies, Inc.

## USER EXPERIENCES



### 45% Smaller\*

Compact package allows for highly optimized wearable designs



### Low Power

Low power design allows up to 10-days of LTE standby† for long battery life



### Always connected

Global multi-mode Cat-M1 / NB1 / E-GPRS modem with integrated GNSS



### Smart Sensing

Advanced sensor support allowing for rich algorithms and greater accuracy



### Location and Security

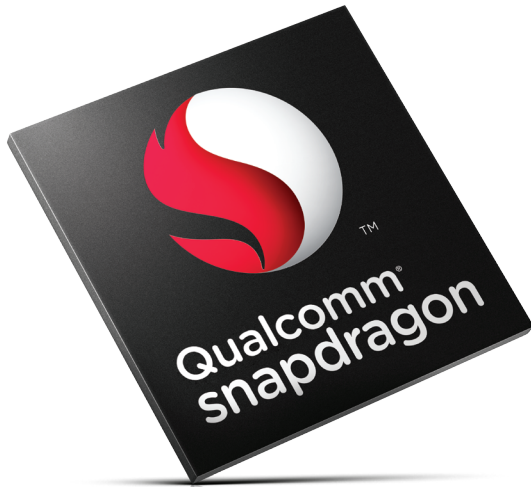
Combining robust hardware security and Qualcomm Location with support for multiple global satellite systems



### Snapdragon Wear Platform

Designed from the ground-up to meet power, size, cost, and connectivity requirements of targeted wearables. Multiple ODM partners help accelerate development

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Snapdragon Wear 1200 is designed to provide an ultra-low power LTE Cat M1 and NB1 chipset for targeted purpose wearables such as kid, pet, elderly, and fitness trackers

## FEATURES & SPECIFICATIONS

### CPU

- + Integrated Applications Processor with ARM Cortex A7 at 1.3 GHZ

### Memory

- + Support for discreet or MCP NAND and LPDDR2

### Display

- + Support via SPI 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)
- + Extended Discontinuous Receive (eDRX)

### Charging

- + Companion charging chipset

### Modem

- + Global multi-mode supporting Cat-M1 / NB1 / E-GPRS. Supports LTE FDD and TDD for Cat-M1 and E-GRPS and FDD only for Cat-NB1
- + Up to 300 kbps downlink and 350 kbps uplink for Cat-M1
- + 10 kbps download and 60 kbps upload speeds for Cat-NB1
- + Integrated voice support for VoLTE
- + Proven and trusted Qualcomm Technologies modem already deployed across hundreds of millions of devices worldwide

### 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 for Qualcomm 11ac Wi-Fi and Bluetooth 4.2 / Bluetooth Low Energy

### Location

- + GPS, GLONASS, Galileo, and BeiDou constellations supported
- + Accurate Wi-Fi and cellular positioning, optimized for Cat-M1/NB1
- + Low power Geo-Fencing

### Qualcomm Cloud Based Location Services

- + 7 day GNSS predicted orbits service
- + Qualcomm end-to-end Global Terrestrial Positioning (GTP) Wi-Fi and cellular service

### Security

- + Qualcomm Trusted Execution Environment
- + Wireless protocol security
- + Hardware based security with Secure Boot/storage/debug, hardware crypto engine, hardware random number generator, and Trustzone

