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

**USER EXPERIENCES**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>45% Smaller</strong></td>
<td>Compact package allows for highly optimized wearable designs</td>
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<tr>
<td><strong>Low Power</strong></td>
<td>Low power design allows up to 7-days of LTE standby†, for longer battery life</td>
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<td><strong>Always connected</strong></td>
<td>Next-gen 4G LTE CAT 1 multi-mode modem, with integrated GNSS</td>
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<td><strong>Smart Sensing</strong></td>
<td>Integrated low power sensor hub enabling richer algorithms and greater accuracy</td>
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<td><strong>Secure Location</strong></td>
<td>Combining robust security with Qualcomm iZat Gen 8c GNSS for trusted location tracking</td>
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<td><strong>Snapdragon Wear Platform</strong></td>
<td>A common package for both connected and tethered designs, multiple ODM partners, help accelerate development and reduce cost</td>
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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.

Qualcomm Snapdragon is a product of Qualcomm Technologies, Inc. Qualcomm iZat, Qualcomm MU EFX, and Qualcomm Vive are products of Qualcomm Atheros, Inc.
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 hundreds 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