

# Snapdragon® Wear Elite Platform

Performance without compromise

Intuitive on-device intelligence

Power for days, recharge in minutes

First-of-its-kind hexa-connectivity solution

Snapdragon Wear Elite is designed to deliver advanced on-device AI, high performance, low power consumption, and superior connectivity with support for six wireless technologies, empowering OEMs to design smarter, smaller, and more secure devices.

## Performance without compromise

Engineered for longevity, Snapdragon Wear Elite offers industry-leading performance to make every interaction feel fluid, intuitive, and premium. Its ultra-efficient 3nm architecture enables OEMs to design smaller, sleeker devices—without sacrificing performance.

## Empowered multitasking

Snapdragon Wear Elite lets you easily switch between tasks with incredible performance and lightning-fast responsiveness—even with complex workloads.



UP TO

**5x**

improved CPU  
performance

UP TO

**7x**

improved GPU  
performance

UP TO

**30%**

longer battery life

All comparisons are in reference to previous generation, Snapdragon W5+ Gen 2 Platform. Results will vary, depending on OEM implementation and other factors.



# Intuitive on-device intelligence

Our advanced Qualcomm® Hexagon™ NPU is designed for sustained performance and power optimization, delivering intuitive AI experiences that empower you to create, discover, and explore. And now, with the Qualcomm® Sensing Hub capturing personal context, your agentic AI assistant is ready to anticipate your needs.

## Proactive support

Receive personalized interactions and assistance—from virtually anywhere. Agentic intelligence understands your preferences, behaviors, and needs by utilizing AI models up to 2 billion parameters on-device, all while keeping your data on-device and out the cloud.

## Advanced health and fitness tracking

Welcome to a more holistic approach to personal wellbeing. From continuous heart rate monitoring to advanced sleep analysis, a full-spectrum array of over 50 sensors captures rich, contextual data in real time for improved tracking of biometrics, activity, sleep, environmental factors, and more.

# Power for days, recharge in minutes

Experience more up-time and less waiting with Snapdragon Wear Elite lightning-fast charging and remarkable battery endurance.

- Intelligent power-saving features and low-power islands enable multi-day battery life\*.
- Recharge up to 50% in just 10 minutes, eliminating battery anxiety.

# First-of-its-kind hexa-connectivity solution

Remain connected and effortlessly integrated, virtually anywhere. Designed for superior connectivity, this platform introduces a unique hexa-connectivity—simultaneously supporting six connectivity technologies (5G RedCap, Wi-Fi, UWB, Bluetooth® 6.0 technology, GNSS, and NB-NTN).

- Get lightning-fast, power-efficient communication and data transfer through 5G RedCap.
- Flow smoothly between a wide range of devices via advanced Bluetooth 6.0 for a harmonious digital experience.
- Highly accurate, designed to support low-power GNSS that provides precise positioning, whether you're navigating city streets, hiking rugged trails, or moving through indoor environments.
- Safer, short-range UWB communication enables ease of entry and more, with features like digital keys and enhanced proximity services.
- Maintain superior, power-efficient local and cloud connectivity through micro-power Wi-Fi, enabling direct access to apps and advanced AI experiences.
- Stay connected in remote areas with breakthrough satellite NB-NTN emergency messaging capabilities, ensuring peace of mind.



## Performance

Get industry-leading performance backing your every move and interaction.



## AI

A sophisticated personal AI assistant delivers tailored insights and proactive assistance.



## Battery

Go through daily activities with confidence, thanks to Snapdragon Wear Elite enabling optimized battery life that lasts for days and recharges in minutes.



## Connectivity

Navigate your world with one of the world's most advanced, comprehensive, and reliable connectivity suite for wearables.

# Specs and features



## Qualcomm® AI Engine

Processor Name: Hexagon NPU

## Co-processor

Co-Processor CPU Clock Speed: Up to 500 MHz

GPU Features: 2.5D

## Storage

eMMC Density: eMMC 64GB

## Location

Satellite Systems: NB-NTN, Beidou, Galileo, GLONASS, GPS, QZSS, Navic support

Frequency Support: Dual (L1/L5), SAP Wearable 3.0

## NFC

Near Field Communications: Supported via third party

## RF

RF Front-End (RFFE) Features: Qualcomm® RF Front-End (RFFE) solution

## CPU

Clock Speed: Up to 2.1 GHz

## GPU

Name: Qualcomm® Adreno™ A622

APIs: OpenGL® ES 3.2, Vulkan 1.3 and Open CL2.0

## Cellular modem-RF

Modem Name: Wearable optimized modem

Cellular Technology: 5G Redcap Rel-17, LTE TDD, LTE FDD (and 3G/WCDMA)

## Wi-Fi

Generation: Wi-Fi 6

Standards: 802.11ax

Spectral Bands: 2.4 GHz, 5 GHz, 6 GHz

MIMO Configuration: 1x1

Spatial Streams: Up to 1

## Bluetooth

Specification Version: Bluetooth 6.0

## Camera

Image Signal Processor (ISP) Name: Qualcomm Spectra™

Features: 2x CSI 4-lane DPHY/CPHY, Multi-Frame Noise Reduction (MFNR) for Snapshot, Motion Compensated Temporal Filter (MCTF) for video, Electronic Image Stabilization (EIS)

## Security

Features: Qualcomm® Processor Security, Qualcomm® Trusted Execution Environment (TEE) 5.35

## Memory

Speed: 4.2 GHz

Type: LPDDR5

Bit Width: 16-bit

## Software options

Operating System: Android, Zephyr, Wear OS, Linux

## Interfaces

Supported Interfaces: eUSB 2.0, QUPv3 (8 SE), PCIe Gen 3, SDIO, 1.8/1.2V

## Universal Serial Bus (USB)

Specification Version: eUSB 2.0

\*Battery life varies significantly with device, settings, usage, and other factors.

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