The Snapdragon™ 888 5G Mobile Platform packs industry-leading innovations in 5G, AI, gaming, and photography. This new class of technology transforms your flagship device into a professional-quality camera, intelligent personal assistant, and elite gaming rig—all connected with truly global 5G multi-gigabit speeds to deliver the premium experiences you deserve.

The biggest leap forward in AI
Experience mobile intelligence like never before with our brand-new 6th Gen Qualcomm® Artificial Intelligence (AI) Engine—uniting AI with everything from photography to gaming to connectivity. The completely re-engineered Qualcomm® Hexagon™ 780 Processor features a fused AI-accelerator architecture and brings the total Qualcomm AI Engine performance up to an astonishing 26 TOPS.

- Tensor Accelerator with 2x compute capacity and Scalar Accelerator with 50% performance improvement
- Up to 3 times performance per watt improvement
- New, 16x larger shared AI memory, up to 1000x improvement for hand-off time in certain use cases
- Contextually aware 2nd Gen Qualcomm® Sensing Hub with dedicated AI processor and truly on-demand AI

A true connectivity powerhouse
Introducing the world’s most advanced connectivity platform—ever. With our 3rd Gen Qualcomm® Snapdragon X60 5G Modem-RF System, we are enhancing 5G globally across more networks than before, with support for all-day battery life. And, the Qualcomm® FastConnect™ 6900 Mobile Connectivity System features groundbreaking Wi-Fi 6E, plus leading Bluetooth audio capabilities. Experience multi-gigabit speeds and unmatched performance, no matter where or how you connect.

- World’s first platform with 5G carrier aggregation across TDD-FDD bands
- World’s fastest uplink and downlink 5G speeds
- Fastest Wi-Fi 6 speeds of any mobile Wi-Fi offering in the industry (up to 3.6 Gbps)

Triple down on the future of computational photography
Our first Snapdragon with a Triple ISP allows you to capture three 4K HDR videos, or three 28 MP photos, simultaneously. It’s also our first mobile platform with true 10-bit HDR photo capture—for memories that come alive in over a billion shades of color. Plus, with new Low Light architecture you’ll get brighter photos even in near-complete darkness.

- The Qualcomm Spectra™ 580 ISP is 35% faster than the previous generation with 2.7 Gigapixels per second processing and 12 MP Burst Photo Capture at 120 fps
- 4K HDR with computational HDR Video Capture delivers brilliant imagery with extreme dynamic range

Unrivaled speed and stamina for elite gamers everywhere
Arm yourself with the full Qualcomm® Snapdragon Elite Gaming™ arsenal—because winning is everything. Conquer with desktop-level features new to mobile: Variable Rate Shading (VRS) provides an up to 30% performance improvement for richer game worlds, while Qualcomm® Game Quick Touch dramatically lowers latency for the ultimate competitive advantage.

- Qualcomm® Adreno™ 660 GPU delivers 35% faster graphics rendering
- Qualcomm® Game Quick Touch increases responsiveness by up to 20%
- Qualcomm® Kryo™ 680 CPU enables 25% higher performance and incredible power efficiency with new architecture based on Arm Cortex-X1 technology

Securing the future of photography
Security is vital in an increasingly mobile world. The Snapdragon 888 5G supports Truepic cryptography, making it the world’s first camera compliant with the Content Authenticity Initiative. Now you can ensure the validity and security of images before you share, purchase, or utilize.

- First Snapdragon to feature Hypervisor: run multiple OSes simultaneously with enhanced security
- Qualcomm® Mobile Security and Qualcomm® Content Protection

To learn more visit snapdragon.com
## SPECIFICATIONS & FEATURES

### Artificial Intelligence
- Adreno 660 GPU
- Kryo 680 CPU
- Hexagon 780 Processor
  - Fused AI Accelerator
  - Hexagon Tensor Accelerator
  - Hexagon Vector eXtensions
  - Hexagon Scalar Accelerator
- Qualcomm Sensing Hub (2nd Generation)

### 5G Modem-RF System
- Snapdragon X60 5G Modem-RF System
  - 5G mmWave and sub-6 GHz, standalone (SA) and non-standalone (NSA) modes, FDD, TDD
  - Dynamic Spectrum Sharing
  - mmWave: 800 MHz bandwidth, 8 carriers, 2x2 MIMO
  - Sub-6 GHz: 200 MHz bandwidth, 4x4 MIMO
- Qualcomm® 5G PowerSave
- Qualcomm® Smart Transmit™ technology
- Qualcomm® Wideband Envelope Tracking
- Qualcomm® AI-Enhanced Signal Boost
- Global 5G multi-SIM
- Downlink: Up to 7.5 Gbps
- Uplink: Up to 3 Gbps
- Multimode support: 5G NR, LTE, including CBRS, WCDMA, HSPA, TD-SCDMA, CDMA 1x, EV-DO, GSM/EDGE

### Wi-Fi & Bluetooth
- FastConnect 6900 System
  - Wi-Fi Standards: Wi-Fi 6E, Wi-Fi 6 (802.11ax), Wi-Fi 5 (802.11ac), 802.11a/b/g/n
  - Wi-Fi Spectral Bands: 2.4 GHz, 5 GHz, 6 GHz
  - Peak speed: 3.6 Gbps
  - Channel Utilization: 20/40/80/160 MHz
  - 8-stream sounding (for 8x8 MU-MIMO)
  - MIMO Configuration: 2x2 (2-stream)
  - MU-MIMO (Uplink & Downlink)
  - 4K QAM
  - OFDMA (Uplink & Downlink)
  - Dual-band simultaneous (2x2 + 2x2)
- Wi-Fi Security: WPA3-Enterprise, WPA3-Enhanced Open, WPA3 Easy Connect, WPA3-Personal
- Integrated Bluetooth
  - Bluetooth Version: Bluetooth 5.2
  - Bluetooth features: LE Audio Features (one-to-many broadcast), Dual Bluetooth antennas
  - Bluetooth audio: Qualcomm® aptX™ Voice audio for crystal-clear voice calls, aptX Adaptive audio for robust, low latency, high quality audio, Qualcomm TrueWireless™ Mirroring

### CPU
- Kryo 680 CPU
  - Up to 2.84GHz, with Arm Cortex-X1 technology
  - 64-bit Architecture

### Visual Subsystem
- Adreno 660 GPU
  - Vulkan® 11 API support
  - HDR gaming (8-bit color depth, Rec. 2020 color gamut)
  - Physically Based Rendering
  - API Support: OpenGL® ES 3.2, OpenCL™ 2.0 FP, Vulkan®
  - Hardware-accelerated H.265 and VP9 decoder
  - HDR Playback Codec support for HDR10+, HDR10, HLG and Dolby Vision

### Security
- Platform Security Foundations, Trusted Execution Environment & Services, Secure Processing Unit (SPU)
- Qualcomm® wireless edge services (WES) and premium security features
- Qualcomm® 3D Sonic Sensor and Qualcomm 3D Sonic Max (fingerprint sensor)
- Qualcomm® Type-1 Hypervisor

### Charging
- Qualcomm® Quick Charge™ 5 Technology

### Location
- GPS, GLonass, Beidou, Galileo, QZSS, NavIC capable
- Dual Frequency Support (L1/L5)
- Sidewalk/lane-level Positioning
- Sensor-Assisted Positioning

### Memory
- Support for LP-DDRS memory up to 3200 MHz
- Memory Density: up to 16 GB

### General Specifications
- Full Suite of Snapdragon Elite Gaming features
- 5 nm Process Technology
- USB Version 3.1; USB Type-C Support
- Part Number: SM8350

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