Qualcomm®
Snapdragon™

7c

Compute Platform

The Qualcomm® Snapdragon™ 7c compute platform is upgrading what you should expect in an entry-level PC

Beautifully thin and light systems that offer multi-day battery life and offer LTE cellular connectivity can be available for everyone. Why haven't traditional PCs offered that experience?

Delivering an always on, always connected superior PC experience requires innovation and invention. It needs the advanced and efficient technologies that Qualcomm Technologies has been putting in smart phones for years, brought into your PC. Snapdragon 7c compute platforms deliver that experience. Thinner, lighter, and quieter with up to 20% faster system performance and up 2x the battery life of typical entry-level PCs. Upgrade your PC to a Snapdragon 7c and get the battery life you deserve, with the performance you need.

Always On, Always Connected

Your phone is always on and always connected. Why isn't your PC? Delivering the smartphone experience on your PC requires extraordinary efficiency, delivering long battery life, and robust connectivity options. The Snapdragon 7c compute platform is specifically engineered to bring those capabilities to entry level PCs. With battery life that can be measured in days and Wi-Fi and cellular connectivity, you can have a superior Always On, Always Connected PC computing experience.

Multi-day battery life

Using an advanced 8nm manufacturing process, the Snapdragon 7c compute platform delivers great performance capabilities with incredible efficiency for unbelievable battery life. Bringing all the core technologies of your PC into a single system on a chip (SoC) highly integrates an octa-core processor and powerful graphics with Wi-Fi and cellular connectivity technologies to give you the performance you need in a system that provides battery life measurable in days, not hours.

Thin and fanless

Highly integrating the core technologies of your PC into a single, energy efficient processor allows the Snapdragon 7c compute platform to deliver great performance while consuming minimal power. In addition to extending battery life, energy efficiency creates less heat. That means that your PC using the Snapdragon 7c compute platform doesn't need heavy thermal solutions or fans, creating a lighter, quieter, and thinner fanless system.

Efficient octa-core CPU

When you need to get a lot done, sometimes you need some help. The Snapdragon 7c compute platform comes with an octa-core processor, so there are lots of cores to help get your work done. The highly integrated platform means those CPU cores have lots of help as well. The advanced manufacturing process adds to the efficiency, so you get a system that gets work done fast, with battery life that can thrill!

Immersive graphics performance

Everyone needs some time to relax. When you get those moments, make sure you can savor them. With the graphics power built into the Snapdragon 7c compute platform, enjoy a little light gaming, or stream the latest videos at up to 4K HDR resolutions.

Artificial Intelligence (AI)

The Snapdragon 7c is capable of over 5 trillion operations per second with the Qualcomm® Artificial Intelligence (AI) Engine. Modern experiences are increasingly enabled by AI accelerated applications. To fully benefit from the natural interaction that is enabled by these incredible new applications, you need a system with an AI engine capable of efficiently powering them. The Snapdragon 7c compute platform delivers AI.

To learn more visit
snapdragon.com

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SPECIFICATIONS & FEATURES

CPU

- Octa-core Qualcomm® Kryo™ 468 CPU
- 64-bit Architecture
- Up to 2.4 GHz
- 8 nm Process Technology

OS Support*

- Supports Windows 10 and Windows 11
- Chrome OS

Memory & Storage

- Memory Type: LPDDR4x, 2 x 16-bit
- Memory Speed: up to 2133 MHz
- Storage: eMMC 5.1; UFS 2.1

Visual Subsystem

- Qualcomm® Adreno™ 618 GPU
- 4K 30 FPS video playback with HDR support
- H.264 (AVC), H.265 (HEVC) VP8 and VP9 format support for playback
- 4K 30 FPS video capture
- H.264 (AVC), H.265 (HEVC) format support for capture

Display

- Maximum On-Device Display Support: FHD (2048x1536 @ 60 Hz) & QXGA (2048x1536 @ 60 Hz)
- Maximum External Display Support: QHD (2560x1440 @ 60 Hz)

Audio

- Qualcomm Aqstic™ audio codec and Qualcomm Aqstic smart speaker amplifier
- Qualcomm® aptX™ audio technology: aptX Classic, aptX HD
- Native DSD support, PCM up to 384 kHz/32-bit

Qualcomm® AI Engine

- Kryo 468 CPU
- Adreno 618 GPU
- Qualcomm® Hexagon™ 692 DSP

AI FEATURES

- 5th Generation Qualcomm AI Engine
- Hexagon Vector eXtensions
- Hexagon Tensor Accelerator

Modem

- Snapdragon X15 LTE modem
- Support for 600 Mbps LTE
- LTE Downlink Features: 3x20 MHz carrier aggregation, up to 256-QAM, up to 4x4 MIMO on two aggregated carriers, LTE Cat 12 up to 600 Mbps
- LTE Uplink Features: Qualcomm® Snapdragon™ Upload+ 2x20 MHz carrier aggregation, Up to 64-QAM, LTE Cat 13 up to 150 Mbps

Wi-Fi

- 802.11ac Wave 2, 802.11a/b/g, 802.11n
- Wi-Fi Bands: 2.4 GHz, 5 GHz
- MIMO Configuration: 2x2 (2-stream)

Bluetooth

- Bluetooth 5.0

Location

- GNSS: concurrent support for GPS, Glonass, BeiDou, Galileo, QZSS, NavIC and SBAS
- Predicted Orbits for all GNSS constellations
- Dual-Frequency (L1/L5) GNSS support

Camera

- Qualcomm Spectra™ 255 Image Signal Processor
- 14-bit Image Signal Processing
- 4K HDR video capture @ 30 FPS (10-bit color depth, rec2020.)
- Dual 16 MP cameras @ 30 FPS Zero Shutter Lag
- Single HFR 32 MP camera @ 30 FPS Zero Shutter Lag
- Codec Support: H.264 (AVC), H.265 (HEVC) VP8 and VP9

CAMERA FEATURES

- Multi-Frame Noise Reduction (MFNR) and Multi-Frame Super Resolution (MFSR)
- Forward-looking Electronic Image Stabilization (EIS)
- Motion Compensated Temporal filtering (MCTF) for noise-free video capture up to UHD (4K) @ 30 FPS
- Four MIPI CSI PHYs (DPHY 1.2 / CPHY 1.2)

Security

- Qualcomm® Processor Security
- Qualcomm® Content Protection

*Features and capabilities may vary by operating system