

QUALCOMM®
SNAPDRAGON™

602A

AUTOMOTIVE
PROCESSOR

The Auto Grade Infotainment Processor of Choice

The Snapdragon 602A processor offers many advantages:

- + Quad-core CPU speeds up to 1.5 GHz offers performance optimized graphics, audio and video frameworks
- + Integrated chipset solution for smartphone-level multimedia, navigation, and connectivity
- + Multiple camera and screen support (up to 4 simultaneous cameras and 3 screens)
- + Qualcomm Hexagon QDSP6 v4 provides enhancements to audio and video. Supports computer vision based driver assistance systems.
- + Qualcomm® Adreno™ 300 Graphics with support for advanced APIs and Hardware Tessellation
- + Qualcomm® Reference Design availability for all Snapdragon 602A features. For purchase, visit intrinsyc.com
- + Location Services with the Qualcomm® iZat™ 8th generation engine supporting Global Navigation Satellite Systems.

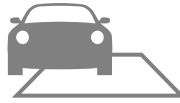
To learn more visit:
qualcomm.com/602a

USER EXPERIENCES



Fast Speeds for Greater Needs

An in-vehicle high-speed Wi-Fi hotspot with Qualcomm® VIVE™ MU-MIMO supports improved connectivity for more users, all at the same time.



Surround View Monitoring and More

The Qualcomm® Adreno™ GPU is designed to stitch together up to four images from different cameras and run up to three HD displays at once.



Voice Interface

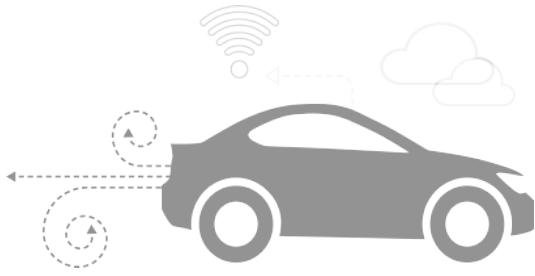
Advanced voice recognition technology combines with always-on listening for a natural and more intuitive driver engagement.



3D Navigation

GNSS-enabled location-based services with the Qualcomm® Adreno™ GPU provides accelerated rendering and excellent responsiveness in 2D and 3D map navigation, birds-eye view and more.

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Snapdragon 602A processors are designed to support a high value balance of performance, connectivity and location to automotive platforms.

FEATURES & SPECIFICATIONS

CPU

- + Up to 1.5 GHz quad-core (4x Qualcomm® Krait™ 300)

GPU

- + Qualcomm® Adreno™ 320 GPU
- + Up to OpenGL ES 3.0

DSP

- + Qualcomm® Hexagon™ DSP

Storage

- + eMMC 4.51
- + SD 3.0 (UHS-I)

Memory

- + PCDDR3 533MHz dual-channel

Camera

- + MIPI—CSI with support for up to 4 simultaneous cameras

Wi-Fi

- + Qualcomm® VIVE™ 1-stream 802.11n/ac with MU-MIMO†

Video

- + Up to 1080p capture and playback
- + H.264 (AVC)

Display

- + Flexible 3 display concurrency support
- + E.g., 1080p60 center console + 720p60 navigation window for instrument cluster + 540p60 HUD

PCIe

- + PCIe 2.0

Bluetooth

- + Bluetooth 4.1

Process Technology

- + 28 nm LP

Location

- + Qualcomm® IZat™ Gen8A
- + GPS, GLONASS

USB

- + USB 2.0 x3

Part Number

- + 8064-AU



†Digital integrated in SoC, Analog added via additional chip

Qualcomm RF360 is a product of Qualcomm Technologies, Inc. Qualcomm IZat is a product of Qualcomm Atheros, Inc.

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