



Next Generation Mobile Technologies for Automotive



Qualcomm's industry-leading mobile communications technologies for Automotive enable innovative solutions and expanded opportunities for auto OEMs, telematics suppliers, application developers and service providers worldwide.

Qualcomm is the global leader in advanced wireless connectivity and the largest supplier of wireless modem chipsets to the auto industry today:

- Leading provider of cellular connectivity solutions based on Qualcomm's extensive Gobi chipset portfolio.
- Proven reliability with a 12 year history of enabling automotive solutions with tens of millions of connected vehicles in operation.
- Offering an extensive portfolio of chipsets, allowing one-stop shopping for solutions that support all major air interfaces and the fastest data rates in the industry.
- Providing broad technical support and an extensive set of tools to telematics developers during the device-design process.

Qualcomm is the global leader in advanced wireless connectivity and the largest supplier of wireless modem chipsets to the auto industry today:

- Qualcomm Gobi 3G and 4G LTE multimode cellular modem for mobile broadband WWAN connectivity.
- Application processing capabilities for telematics, navigation and entertainment systems.
- GLONASS and GPS based GNSS for position-location services.
- Wi-Fi for connectivity to consumer devices (hotspot mode and Wi-Fi Direct-Wi-Fi Display mode).
- HomePlug Green PHY for Electric Vehicles (EVs) to connect with charging stations and Energy service providers.

Qualcomm chipsets expand vehicle capabilities with embedded, always-on connectivity to high-speed mobile broadband networks, enabling anywhere/anytime:

- Emergency assistance including EU eCall
- Safety and security services
- Remote monitoring and diagnostics
- Advanced driver assistance systems
- In car Wi-Fi access point
- GNSS-enabled position-location services
- Navigation and maps
- Energy management
- In-car infotainment and entertainment
- Streaming audio and other cloud-based content delivery

Multimode connectivity enabled by Qualcomm takes in-car smarts to a whole new level:

- Allows 3G/4G LTE-based devices from common design platforms to connect and communicate through multiple, mobile broadband networks offered by different wireless operators worldwide.
- Provides for ubiquitous coverage while enabling future proof design.
- Roadmap includes Gobi modem and Snapdragon™ processor platforms bringing the next generation connectivity to the auto industry.