

Snapdragon

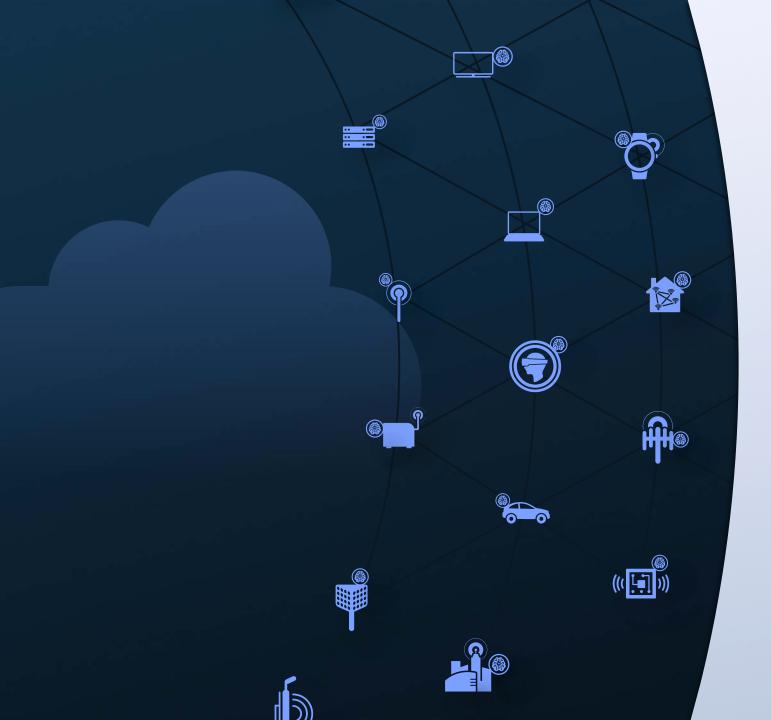
Mobile

Connected intelligent edge

((([...]))

Cloud growth requires the connected intelligent edge

More data at the edge requires more local processing and intelligence



Cloud growing at

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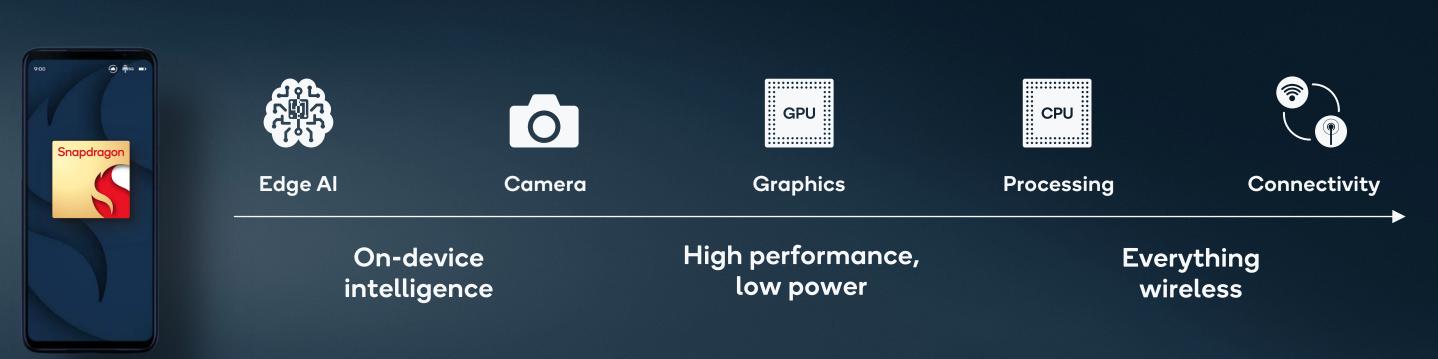
year-over-year¹

By 2025

O

of data will be created outside of traditional data centers²

One technology roadmap that scales to address growth vectors





Snapdragon sets the bar for premium-tier Android smartphones



Connectivity
Fastest 5G and Wi-Fi speeds1



Snapdragon Sight™
Leading with mobile-first camera features⁴



Qualcomm® Al Engine
Leading on-device Al use cases

and performance per watt²



Se

Security

Leading security features for mobile⁵



Snapdragon Sound™
CD Lossless and LE Audio for Bluetooth³



Snapdragon Elite Gaming
Leading in desktop-level features on mobile⁶



^{1.} First-announced 10 Gigabit 5G and 3GPP Release 16 Modem-RF System, fastest Wi-Fi peak speeds in commercially available device and access point chipsets; 2. Internal competitive analysis; 3. First announced audio codec for CD Lossless quality over Bluetooth; 4. First 8K HDR Video Capture and 18-bit ISP; 5. First announced support for Android-ready SE standard, always-on camera; 6. Internal competitive analysis; Snapdragon Elite Gaming, Snapdragon Sight, Snapdragon Sound and Qualcomm AI Engine are products of Qualcomm Technologies, Inc. and/or its subsidiaries



Addressable market expansion in the next decade



Automotive

loT

Continued momentum across key opportunities



Next-gen Arm PCs

Driving convergence of PC and mobile

Arm transition + Next-gen CPU leadership with Nuvia team



The ticket to the metaverse

Building the next computing platform with XR

50+ Snapdragon AR/VR devices launched



Wireless fiber

5G makes Fixed Wireless Access a global reality



ADAS

Powering 21st century vehicles

Arriver¹ software and Snapdragon Ride™ Platform

Shift to PC on Arm is gaining ecosystem momentum with Snapdragon



"Leveraging the cutting-edge Armbased Snapdragon compute platforms from Qualcomm Technologies, Inc., we can deliver more best-in-class Windows 11 experiences ..."

JAMES LIN
GENERAL MANAGER, NOTEBOOKS,
IT PRODUCTS BUSINESS



"... we are excited to continue our incredible collaboration with Qualcomm on Windows on Arm, creating innovative products and experiences to empower people."

PANOS PANAY
CHIEF PRODUCT OFFICER



"... Lenovo is proud of our close collaboration with Qualcomm.
Together we're engineering new Windows on Snapdragon devices for everyone ..."

LUCA ROSSI
PRESIDENT OF INTELLIGENT DEVICES GROUP



"... we are excited about the power efficiency opportunity of the advanced Arm architecture to enable breakthrough experiences on lightweight, fanless devices. We look forward to our ongoing collaboration with Qualcomm ..."

MIKE NASH

CHIEF TECHNOLOGIST AND GLOBAL HEAD, CUSTOMER EXPERIENCE AND PORTFOLIO STRATEGY, PERSONAL SYSTEMS, HP INC.



"... Qualcomm Technologies, Inc. continues to transform the Windows PC industry with an impressive portfolio of Arm-based Snapdragon compute platforms ..."

ALVIN CHOU

GENERAL MANAGER OF COMMERCIAL COMPUTER BU

Powering the enterprise transition to Arm PCs

200 enterprises either testing or deploying Windows on devices with Snapdragon















Microsoft Mesh



Qualcom



5G, including mmWave, is a universal last mile technology



Wireless fiber

"All around us at home, work and on the go, customer demand for connectivity is accelerating. To stay ahead of it, we're focused on **5G** as a core technology for both backhaul and direct broadband access connecting homes and businesses. What we're seeing from Qualcomm Technologies around Fixed Wireless Access gives us confidence we'll have the products to keep delivering for our customers."

JEFF MCELFRESH
CEO, AT&T COMMUNICATIONS

Redefining vehicles for the 21st century

Helping automakers and Tier 1s to create differentiated experiences





A platform for the future of automotive



Software and services platforms to drive new monetization models





In-car experiences that integrate instrument clusters, navigation, premium audio, cameras and multiple displays with app ecosystems

Snapdragon auto connectivity platform

5G connectivity to cloud, C-V2X, Wi-Fi and Bluetooth within and around the vehicle, precise positioning and PLC for EV charging

L2+ / L3 Driver Assistance and Automated Driving SoC Platforms with Arriver Vision and Drive Policy stacks¹

Snapdragon

ride platform







Henrik Green

Chief Product Officer, Volvo Cars





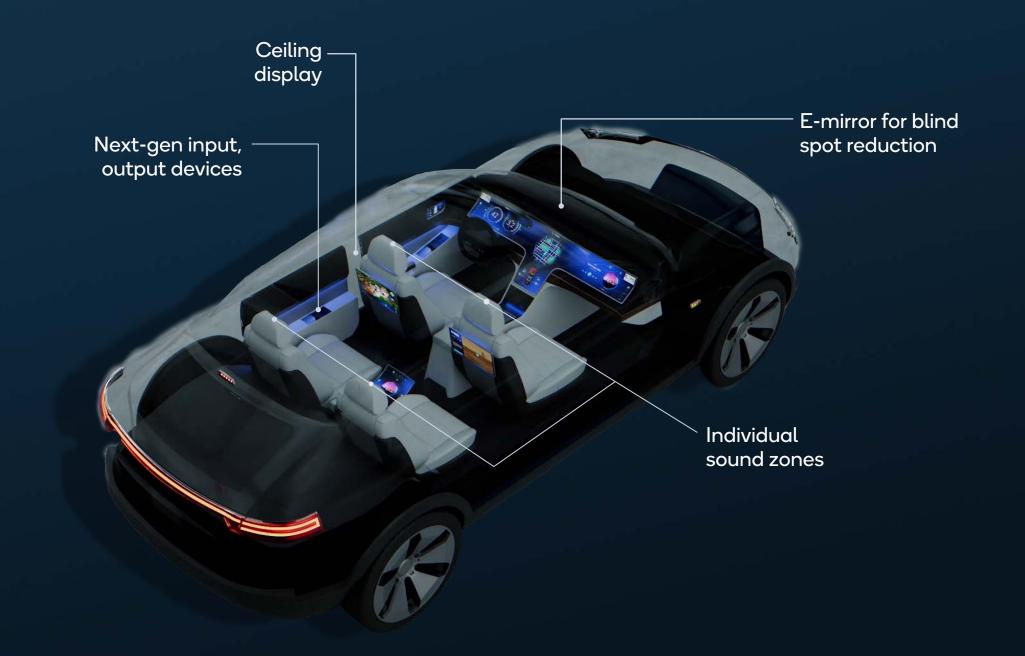


Qualcomm

ALPSALPINE

Working together to bring advanced automotive in-cabin capabilities

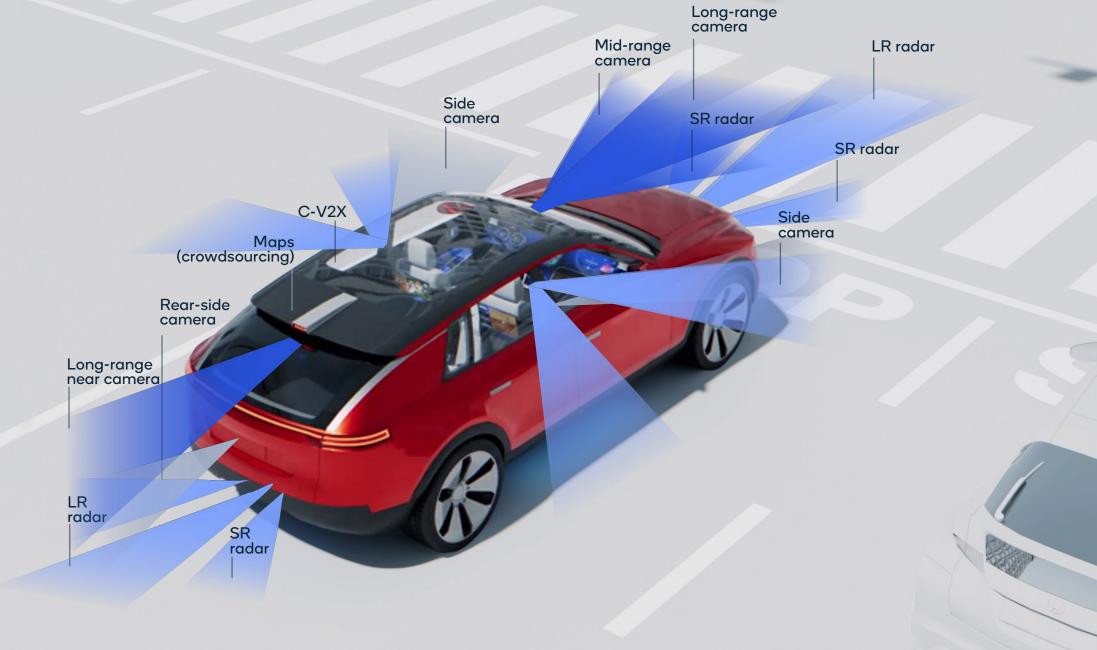
New Digital Cabin designed to deliver unmatched, next-generation experiences











^{1.} Acquisition expected to close in 2022, subject to regulatory approval and other closing conditions

^{2.} Commercially proven independent of Qualcomm solutions

Announcement



Snapdragon Ride Vision System

Open, scalable and modular computer vision platform Front and surround vision for ADAS / AD Expected in commercial vehicles starting in 2024

NCAP Drive Policy

Driver monitoring Parking systems

Map

crowdsourcing

Integrated with Snapdragon Digital Chassis

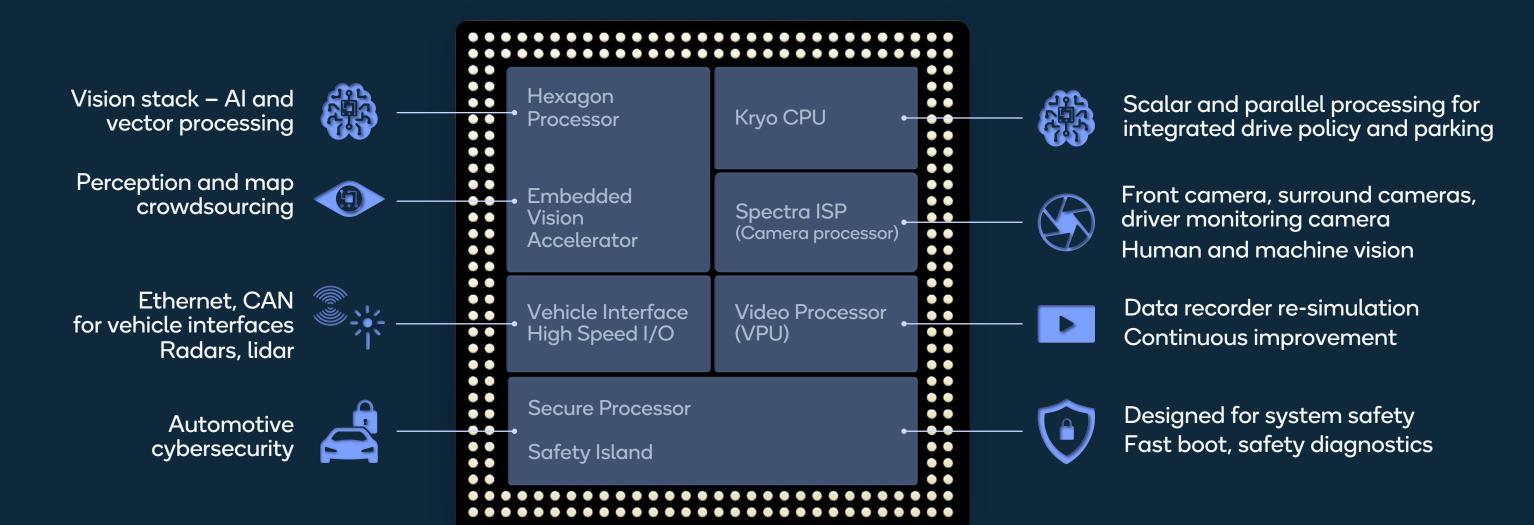




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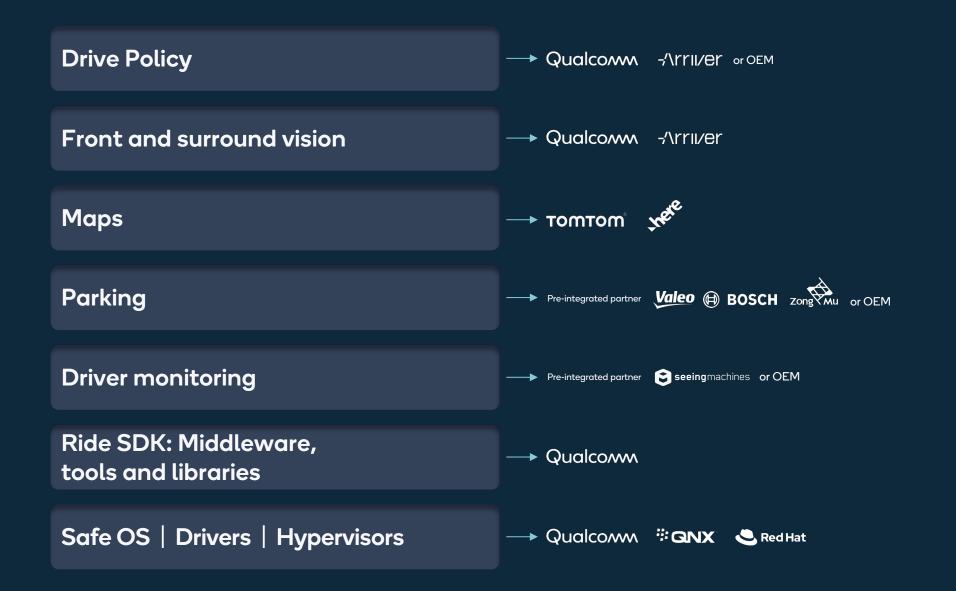
Snapdragon Ride Vision SoC

Industry-leading 4nm SoC for vision applications





A comprehensive solution for advanced driver assistance and autonomous driving







Front Camera
Surround Vision

Scalable L1 to L3 ADAS SoCs



L3/L4 ADAS Accelerator

Broad industry support







































Luca de Meo

Chief Executive Officer, Renault S.A.





























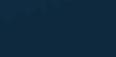












































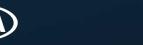


LAND --ROVER

CHRYSLER



智跑Ace











#1 in telematics, automotive connectivity and premium next-gen infotainment¹

All major global automakers

have selected Snapdragon Cockpit platforms

Digital Chassis gaining momentum

with telematics, cockpit, car-to-cloud, driver assistance & automated driving, and pending Arriver² acquisition

\$13B

design win pipeline³

Internal sales data, infotainment for production cars starting in 2020; 2. Arriver expected oclose in 2022, subject to regulatory approval and other closing conditions; . Includes Arriver/ADAS Software (Arriver expected to close in 2022, subject to regulatory pproval and other closing conditions). As of 11/16/2021. Snapdragon Automotive Cockpit Platforms re products of Qualcomm Technologies, Inc. and/or its subsidiaries

Q&A

Broad support from ecosystem partners for the PC industry's transition to Arm-based computing

Collaboration with Microsoft to expand and accelerate AR to usher in new gateways to the metaverse

Qualcomm and Volvo cars enable Snapdragonpowered premium infotainment experiences for upcoming electric vehicles

Qualcomm works with Honda to bring digitally advanced in-cabin capabilities to new vehicles

Qualcomm and Alps Alpine work together to deliver advanced automotive in-cabin capabilities

Snapdragon Ride Vision System, an open and scalable platform for automated driving

Momentum around Snapdragon Digital Chassis to define the future of automotive

Qualcomm and Renault Group to extend collaboration and bring the latest digital advancements to next generation vehicles with the Snapdragon Digital Chassis

Desay SV and Qualcomm build premium in-vehicle experience based on the 4th Generation Snapdragon Cockpit Platforms

Qualcomm

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