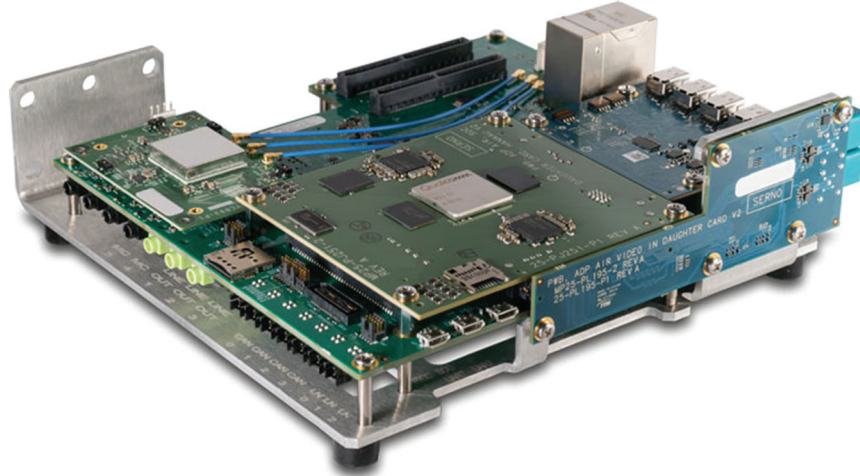


SA8155P Automotive Development Platform

Based on the Qualcomm® SA8155P Automotive SoC

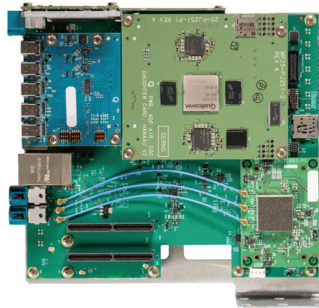


The third-generation Automotive Development Platform (ADP) based on the Qualcomm® SA8155P processor from Qualcomm® Technologies, Inc. (QTI) provides OEMs and ecosystem partners with access to QTI's high-performance automotive infotainment, advanced driver assist platform for developing, testing, optimizing and showcasing next-generation in-vehicle infotainment solutions.

The SA8155P processor includes an eight-core Kryo™ CPU, a Qualcomm® Adreno™ 640 GPU and high-performance Qualcomm Hexagon™ 696 DSP. The ADP features rich connectivity through Wi-Fi 802.11ac, Bluetooth LE 5.0, and supports up to 8 GMSL cameras and 5 mini display ports. The ADP provides an optimized application development environment for rapid deployment of high performance and power efficient connected automotive infotainment offerings.

Key Features

- SA8155P Automotive SoC
- 8GB LPDDR4 + 128GB UFS
- 802.11ac Wi-Fi and Bluetooth 5.0
- 8 Camera inputs, 5 Display outputs
- Audio, USB, Ethernet, CAN, LIN I/O interfaces
- Android™ 10 Auto, Android™ 11 Auto
- Kit comes with HDMI display and power adapter



Engineering Services:

We provide a full solution – our unparalleled engineering expertise and product development skills deliver innovative products that are cost-effective and can jumpstart your Go-to-Market timeline.

Our business model offers turnkey product development services, or we can augment your team in specific areas of development. The choice is yours.

Key development expertise in:

- Camera development and tuning
- Voice control
- Machine learning
- Mechanical & RF design
- Thermal & power optimization

IoT Product Development made easy



Lantronix SA8155P Automotive Development Platform

Hardware Specifications:

SA8155P Automotive Development Platform	
• Processors	Qualcomm® SA8155P Automotive SoC: 64-bit Kryo™ CPU with 4x high-perf Gold cores and 4x low-power Silver cores Adreno™ 640 Graphics Processor Hexagon™ 696 DSP Spectra™ 380 Image Signal Processor Secure Processor and Crypto Management Unit NXP Vehicle Interface Processor
• Memory	8GB LPDDR4X DRAM, 128GB UFS storage
• Wireless	802.11ac dual-band Wi-Fi and Bluetooth 5.0
• Location	Qualcomm® SiRFStar™ V GNSS Receiver
• Display Interfaces	5 DisplayPort video outputs
• Camera Interfaces	Up to 8 simultaneous GMSL camera inputs via dual GMSL to CSI De-serializer
• Audio Interfaces	4x microphone inputs, 3x line outputs
• USB Interfaces	1x USB3.1, 1x USB2.0, Type A connectors
• I/O Interfaces	1x Ethernet, 2x PCIe, 4x CAN, 3x LIN, micro SD card socket, multiple debug interfaces
• Power Input	Input voltage: 12V/5A from included power adapter
• Size	Multi-board platform approximate dimensions: 20cm x 19cm x 7cm

Software:

• OS Support	Android™ 10 Auto, Android™ 11 Auto *Note that all hardware features may not be supported by SW - see latest SW release notes for details
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Purchasing Information:

• SA8155P Dev Kit	PN: ADP-855-HAN-V2
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Development Kit includes: Open-chassis development platform, mini HDMI/touchscreen monitor, DisplayPort → HDMI adapter, JTAG adapter cable, power supply, Quick Start Guide, and basic development kit support.

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