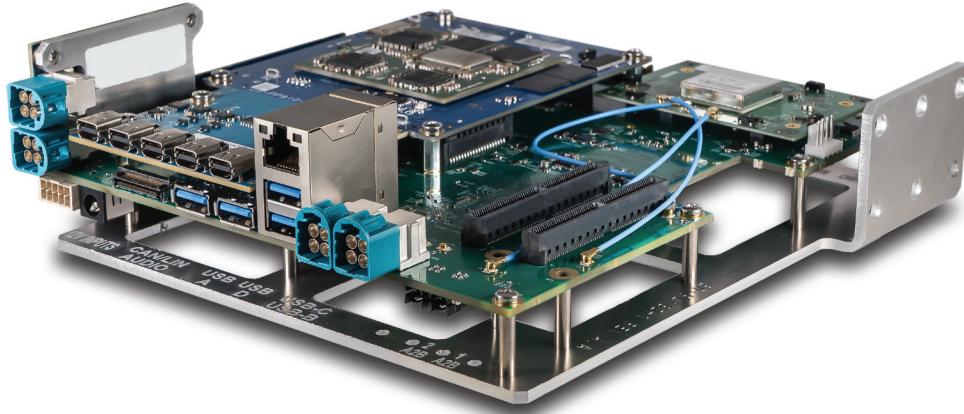


SA8195P Automotive Development Platform

Based on the Qualcomm® SA8195P Automotive SoC

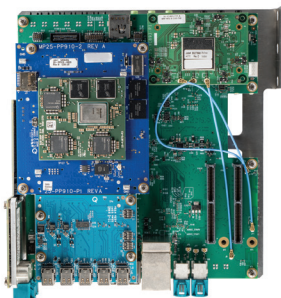


The third-generation Automotive Development Platform (ADP) based on the Qualcomm® SA8195P processor from Qualcomm® Technologies, Inc. (QTI) provides OEMs and ecosystem partners with access to QTI's high-performance automotive infotainment, advanced driver assist platform for developing, testing, optimizing and showcasing next-generation in-vehicle infotainment solutions.

The SA8195P processor includes an eight-core Kryo™ CPU, a Qualcomm® Adreno™ 680 GPU and Qualcomm® Hexagon™ DSP. The SA8195P ADP is available to purchase both as a full development kit or just a processor daughter card, which is compatible with the SA8155P ADP dev kit. If you already own an SA8155P ADP, you can purchase just the SA8195P daughter card and swap it into your SA8155P dev kit.

Key Features

- SA8195P Automotive SoC
- 12GB LPDDR4X + 128GB UFS
- Wi-Fi® 6 (802.11ax) + Bluetooth 5.2 Dual MAC
- 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 SA8195P Automotive Development Platform

Hardware Specifications:

SA8195P Automotive Development Platform	
• Processors	Qualcomm® SA8195P Automotive SoC: 64-bit Kryo™ CPU with 4x high-perf Gold cores and 4x low-power Silver cores Adreno™ 680 Graphics Processor Hexagon™ DSP Spectra™ 380 Image Signal Processor Secure Processor and Crypto Management Unit NXP Vehicle Interface Processor
• Memory	12GB LPDDR4X DRAM, 128GB UFS storage
• Wireless	Wi-Fi 6 (802.11ax) + Bluetooth 5.2 Dual MAC (QCA6696) Dual-band, dual-MAC radios for concurrent 2x2 MIMO 2.4GHz + 2x2 MIMO 5GHz operation
• 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, 6x Class D amplifier analog out
• 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
---------------------	---



SA8195P Processor Daughter Card

Purchasing Information:

• SA8195P ADP Dev Kit	PN: ADP-895-POI
• SA8195P Processor Daughter Card	PN: ADP-895A-POI

Contact Information:

Americas

800.422.7055
americas_sales@lantronix.com
www.lantronix.com
NASDAQ: LTRX

Asia/Pacific

+852 3428.2338
asiapacific_sales@lantronix.com
China: +86.21.6237.8868
India: +91 994-551-2488

Europe

+31 (0) 76.52.3.6.74 4
eu_sales@lantronix.com

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.

© 2021 Lantronix, Inc. All rights reserved. Lantronix is a registered trademark of Lantronix, Inc. in the U.S. and other countries. Qualcomm SA8195P, Qualcomm Adreno, Qualcomm Hexagon, Qualcomm Kryo, Qualcomm Spectra and Qualcomm SiRFStar are products of Qualcomm Technologies, Inc. and/or its subsidiaries. Qualcomm, Adreno, Hexagon, Kryo, Spectra and SiRFStar are trademarks of Qualcomm Incorporated, registered in the United States and other countries. Wi-Fi is a registered trademark of Wi-Fi Alliance. All other trademarks are the property of their respective owners. Specifications subject to change without notice. Not all features listed may be supported in software. SA8195P Kit MPB-00114 Rev B.