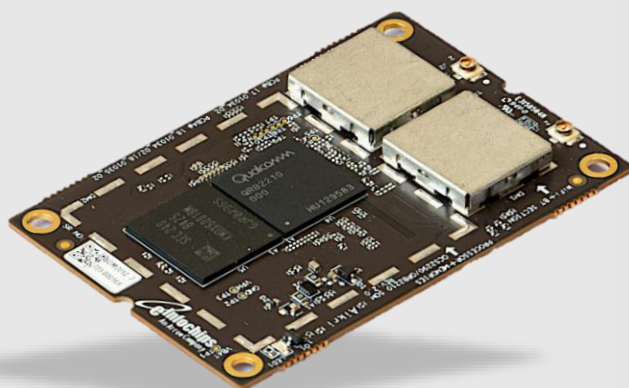


Aikri QRB2210 System On Module (SoM)

Based on the Qualcomm® QRB2210 SoC



- 1 Surveillance Cameras
- 2 Robotics
- 3 Industrial Handhelds
- 4 Telehealth / Medical Devices
- 5 Digital Signage / HMI
- 6 Security Panels

About eInfochips

eInfochips, an Arrow Electronics company, is a leading provider of digital transformation and product engineering services. eInfochips accelerates time to market for its customers with its expertise in IoT, AI/ML, security, sensors, silicon, wireless, cloud, and power. eInfochips being a Qualcomm Snapdragon Technology Partner (STP) offers turnkey product designs on multiple Snapdragon and other SoCs of Qualcomm® and have enabled global customers with Qualcomm based product designs.

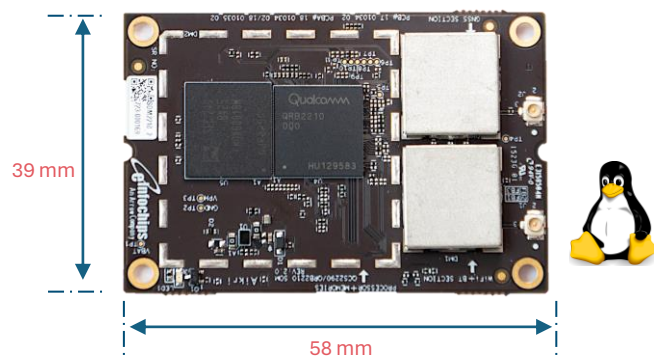
eInfochips Aikri QRB2210 SoM

The Aikri 2210 System on Module (SOM) is based on the Qualcomm® QRB2210 processor. This SoM integrates a customized 64-bit Arm Cortex-A53 Quad-Core applications processor at 2.0 GHz, Adreno™ 702 GPU, and Spectra™ 340L image signal processor and delivers greater performance, improved graphics, and better-quality images at low power and cost.

The Aikri 2210 SoM has onboard calibrated 802.11ac 1x1 Wi-Fi and Bluetooth 5.0 and offers enhanced security for secure connections. It enables OEMs to use a readily available design solution for their next-gen products, while minimizing design risk factors and reducing design cycle time with early time to market.

eInfochips Advantages

- ✓ 28 Years of experience in system design
- ✓ 10 Design centers worldwide
- ✓ 500+ Product designs
- ✓ 35+ Product designs on Qualcomm
- ✓ 15M+ Product deployments across globe
- ✓ ISO 9001, ISO13485, AS9100/EN9100, ISO26262 and CMMi L3 compliant processes



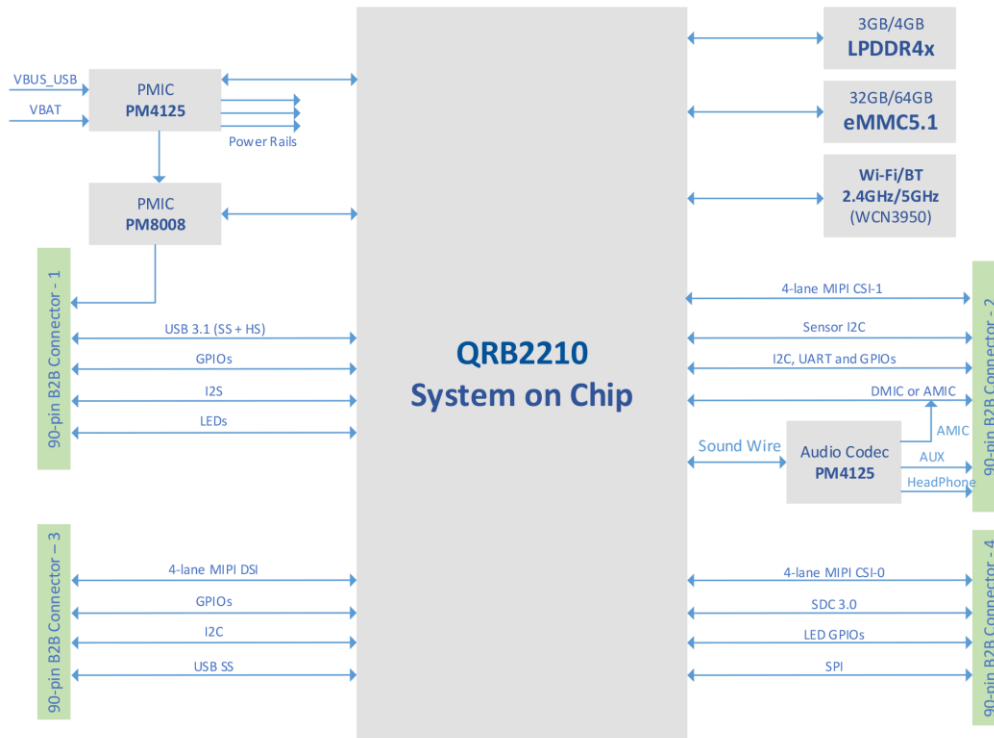
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ENRICHING LIVES
THROUGH
ENGINEERING
EXCELLENCE



Aikri QRB2210 SoM	
Processors	Qualcomm® QRB2210 <ul style="list-style-type: none"> 64-bit customized Arm Cortex-A53 quad-core @ up to 2.0 GHz Adreno™ 702 GPU at 845 MHz with 64-bit addressing and 920 DPU Dedicated DSP shared between Snapdragon Sensor Core and low-power audio subsystem Spectra™ 340L ISP
Memory	3GB LPDDR4x, 32GB eMMC
Wireless	<ul style="list-style-type: none"> Qualcomm® Wi-Fi via WCN3950 WLAN 1 × 1 802.11ac; Bluetooth5.0 1x UFL connector on SoM
Display Interfaces	1x MIPI-DSI 4-lane - D-PHY 1.2 at 1.5 Gbps per lane; split link supported
Camera Interface	<ul style="list-style-type: none"> 2x MIPI-CSI 4-lane - D-PHY 1.2 at 2.5 Gbps per lane supported. 2 × ISP (13 MP + 13 MP or 25 MP) at 30 fps ZSL
Audio Interfaces	<ul style="list-style-type: none"> 1x MI2S Port 2x Tx and 2x Rx data lines SoundWire interface for PM4125 PMIC codec Stereo channel headset support from PM4125 PMIC codec 1x SLIM bus port interface to WCN3950 BT audio Analog out (AUX_OUT) lines (1x pair) from PM4125 PMIC codec to RUN WSA8815 speaker amplifier.
I/O Interfaces	<ul style="list-style-type: none"> 1x USB-C 3.1 GPIOs, SPIs, I2Cs, I3C, UARTs; GPIO connections to sensor core DSP
Operating Environment	<ul style="list-style-type: none"> Input voltage: 3.6V Operating temperature: -30 to +85° C
Mechanical Specification	<ul style="list-style-type: none"> SoM: 58mm x 39mm x 4mm*/5.41mm# with 4x 90-pin board to board connectors *Stacking height #Standalone height
Software and OS	<ul style="list-style-type: none"> Android 12, Kernel 4.19
Orderable Parts	<ul style="list-style-type: none"> System On Module (SOM): Aikri-22X-10LS-3 Development kit: Aikri-22X-10LD-3 Camera interface card: EIC-DB-CAM-OVS (camera sensors not included)