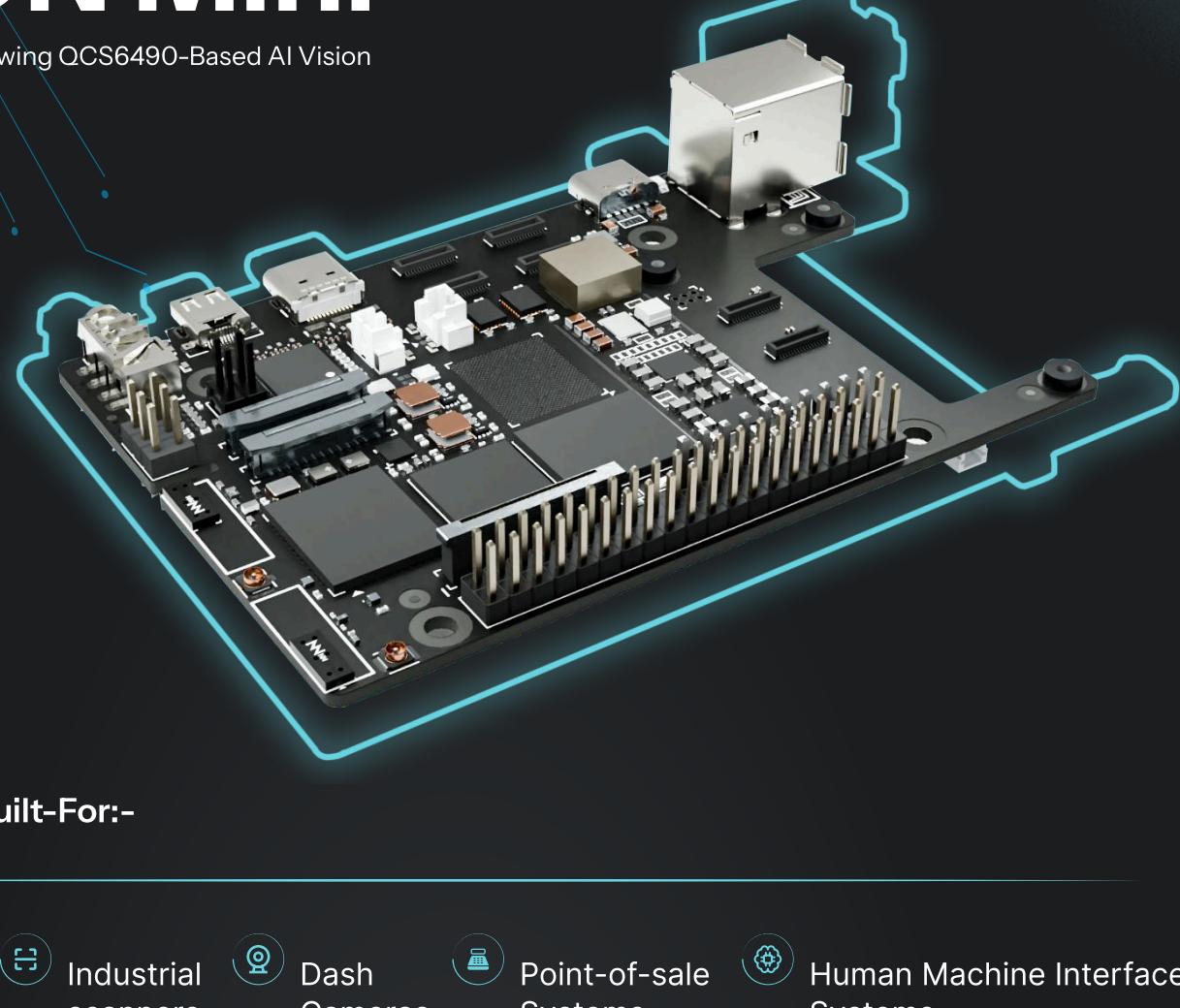


AXON Mini

Qualcomm Dragonwing QCS6490-Based AI Vision



Applications Built-For:-

- Ruggedised handhelds
- Industrial scanners
- Dash Cameras
- Point-of-sale Systems
- Human Machine Interface Systems

Storage

- Onboard 32GB High - Speed eMMC 5.1
- Onboard expandable UFS 3.1
- Support PCIe 3.0x2 NVMe Storage via B2B Connector.

MEMORY

8GB/16GBLPDDR5-3200 MHz SDRAM

DSP/NPU

Hexagon DSP and 13 TOPS NPU

CPU

- Qualcomm® Kryo™ 670, Qualcomm® Kryo™ CPU, 8 Core, 64-bit Architecture
- Kryo Gold plus: high-performance core up to 2.7 GHz
- Kryo Gold: three high-performance cores at 2.4 GHz
- Kryo Silver: four low-power cores at 1.9 GHz

VPU

Adreno VPU 633 – fifth-generation UHD video processing unit.

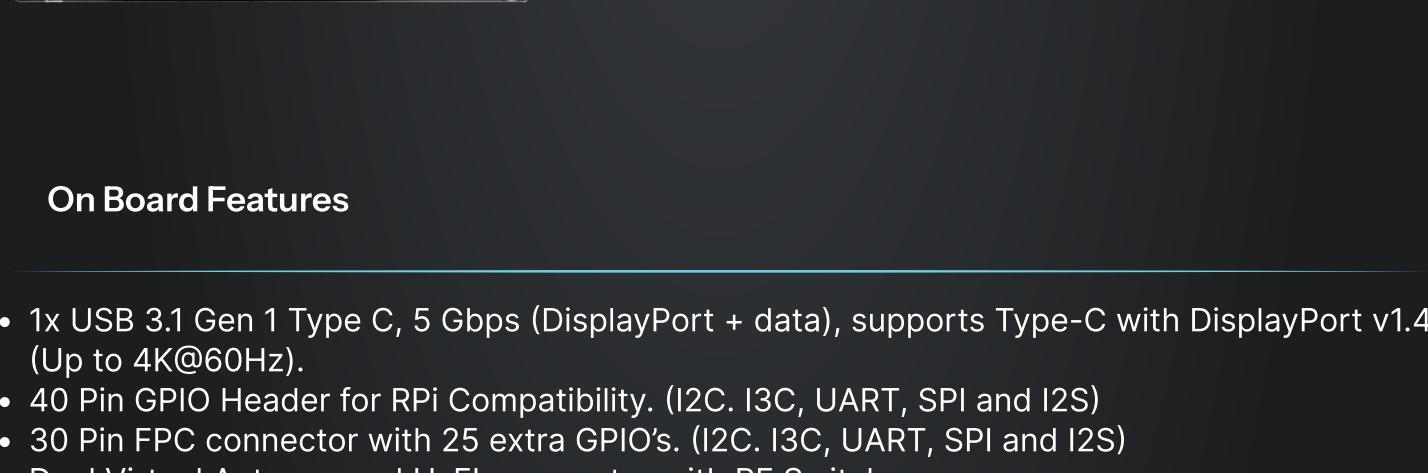
- Video decode up to 4K60 for H.264/H.265/VP9.
- Video encode: Up to 4K30 for H.264/H.265.
- Video concurrency: 1080p60 decode and 1080p60 encode/ 4K30 decode + 1080p30 encode.
- HDR playback: Support for HDR10 and HDR10+.

GPU

Qualcomm® Adreno™ 643L, support OpenGL® ES 3.2, DirectX® FL 12, OpenCL™ 2.0, Vulkan®

WIRELESS

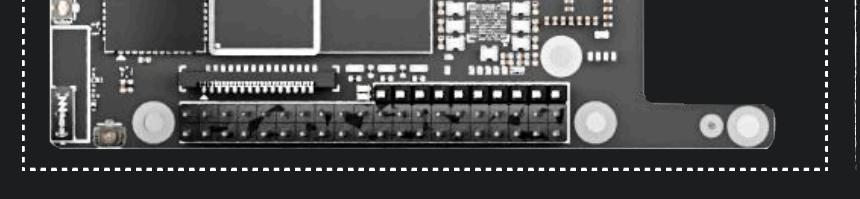
- Integrated WiFi-BT Combo Module (AMPAK AP6276S)
- WiFi 2.4 GHz/5GHz/6GHz 2T2R
- Bluetooth® 5.3
- Onboard Virtual Antenna and U.FL Connector with RF Switch.



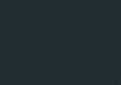
On Board Features

- 1x USB 3.1 Gen 1 Type C, 5 Gbps (DisplayPort + data), supports Type-C with DisplayPort v1.4 (Up to 4K@60Hz).
- 40 Pin GPIO Header for RPi Compatibility. (I2C, I3C, UART, SPI and I2S)
- 30 Pin FPC connector with 25 extra GPIO's. (I2C, I3C, UART, SPI and I2S)
- Dual Virtual Antenna and U.FL connector with RF Switch.
- 4x 30 Pin B2B Connector for MIPI-CSI 4 lane at 2.5 Gbps per lane.
- 2x USB 2.0 Type A.
- 1x HDMI 2.0 up to 4K@60Hz.
- 1x 22 Pin FPC Connector for MIPI-CSI 4 lane at 2.5 Gbps per lane.
- 2x USB 2.0 Type A.
- 2x 30 Pin B2B Connector for UFS 3.1 Module.
- PCIe 3.0 2 lane B2B Connector for M. Key, E. Key and B. Key Modules.
- PCIe 3.0 1 lane B2B Connector for USB 3.0 and Ethernet ports Modules.
- POE+ Power Support.
- Stereo DMIC, Stereo Speaker and 3.5mm Audio Jack.
- JTAG and UART for Debug.

95 MM



65 mm



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