



Production-Ready Solution for Broad Market Applications

- Ecommerce
- Retail
- Digital Signage
- Manufacturing
- Smart Warehousing
- Transportation & Logistics
- Healthcare
- Medical Imaging
- Handheld Instrumentation

SOM SPECIFICATIONS

QCS6490

- Qualcomm Kryo 670 CPU: 1x 2.7GHz, 3x 2.4GHz, 4x 1.9GHz
- Qualcomm Adreno 643 GPU
- Qualcomm Adreno 633 VPU (video encode 4K30 / decode 4K60)

POWER

- 5Vdc Input, all supplies generated on board

MEMORY

- 8 GB LPDDR5
- 256GB Flash
- SD/eMMC
- EEPROM for configuration

INTERFACES

- 2x PCIe Gen 3 (1x 1 lane, 1x 2 lanes)
- 5x MIPI x4 input + DSI output
- USB 3.1 Gen 2, USB 2.0
- Display Port
- 8x I2C + 2x I2C Audio
- 3x SPI
- 3x UART
- 3x I3C
- 1x QLINK x5
- SLIMbus
- SoundWire
- QDSS
- 68 GPIO

MECHANICAL

- 45mm x 45mm
- Dual Samtec 200 pin board to board connectors