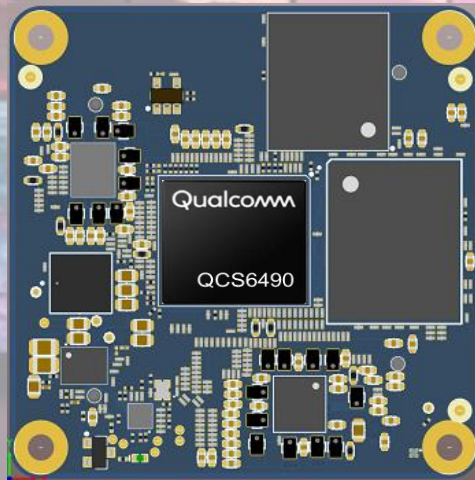




MitySOM-QC6490

Qualcomm QCS6490 Modules



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

- 4Vdc Input, all supplies generated on board
- Optional 3.75V battery or USB-C power delivery

MEMORY

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

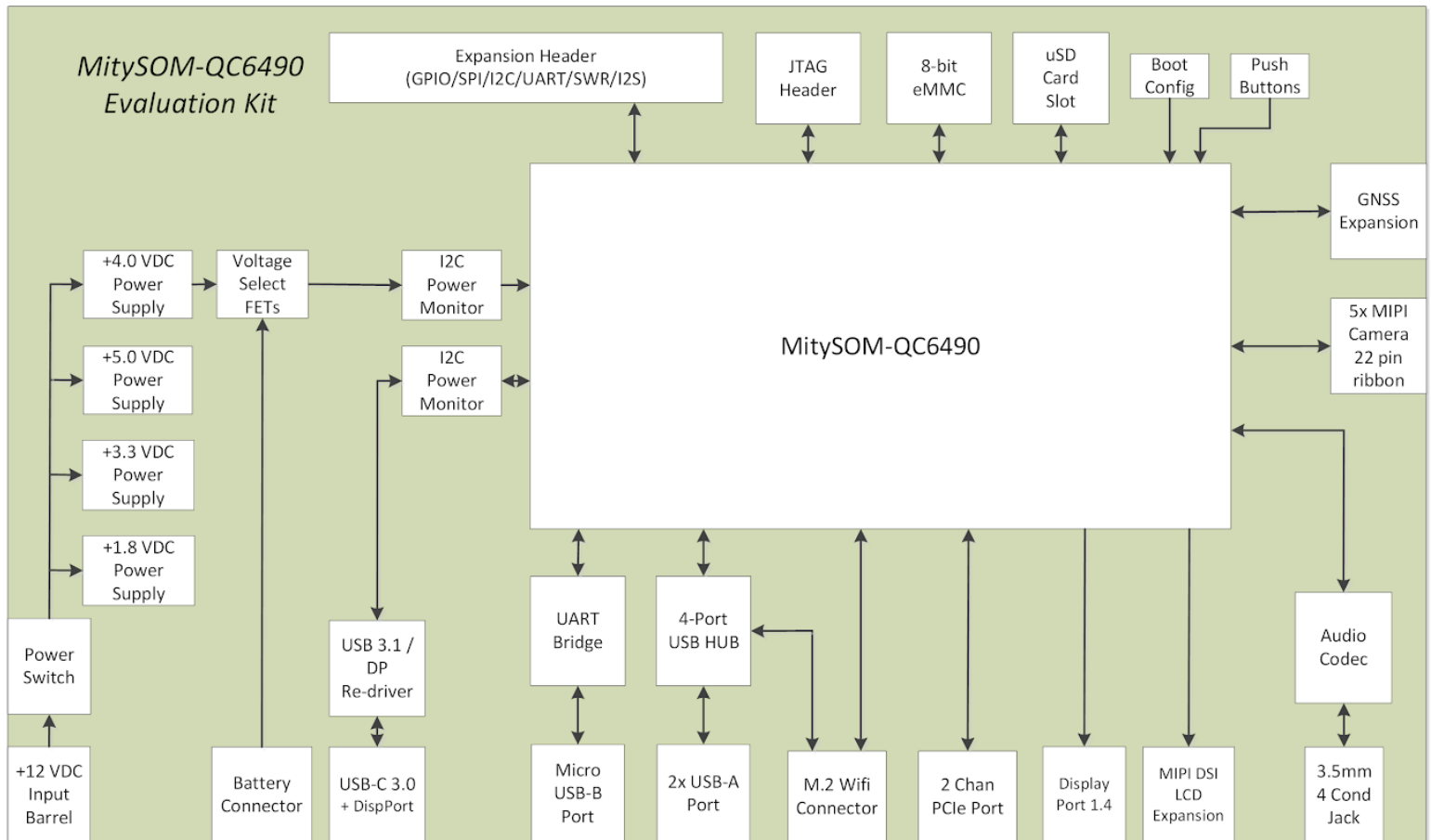
INTERFACES

- 2x PCIe Gen 3 (1x 1 lane, 1x 2 lanes)
- 1x eMMC (8-bit)
- 1x sd card (4-bit)
- 5x MIPI x4 input + DSI output
- USB 3.1 Gen 2 with Display Port
- Display Port
- USB 2.0
- 14x I2C*
- 4x I3C*
- 2x I2C Audio
- 10x SPI*
- 10x UART
- 1x5 Lane QLINK
- SLIMbus
- SoundWire
- 67 GPIO

*Max available subject to pin mux

MECHANICAL

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



INTERFACES

- Wifi / BT Support (via M.2)
- GPS Support (via expansion board)
- 2 Channel PCIe
- Path for Ethernet Support (via. PCIe)
- 5x Camera MIPI interfaces (D-PHY v1.2 or C-PHY v1.2)
- 1x USB-C (10 Gbps, supporting DisplayPort like Thunderbolt)
- 1x Micro USB-B (2.0)
- 1x MIPI DSI interfaces (LCM)
- Display Port 1.4
- uSD-Card
- 8-bit eMMC
- USB Console
- Audio Line In / Out
- GNSS Expansion
- Expansion Headers

Includes everything you need to get up and running in minutes.

Start software development months ahead schedule.