

Qualcomm® SA8155P Cockpit SOC - Building Blocks

Booth 310

Technology IP Leadership
Leading 7nm FINFET Low power

HW thermal management

High performance, power efficient:
Customized ARMv8 CPUs

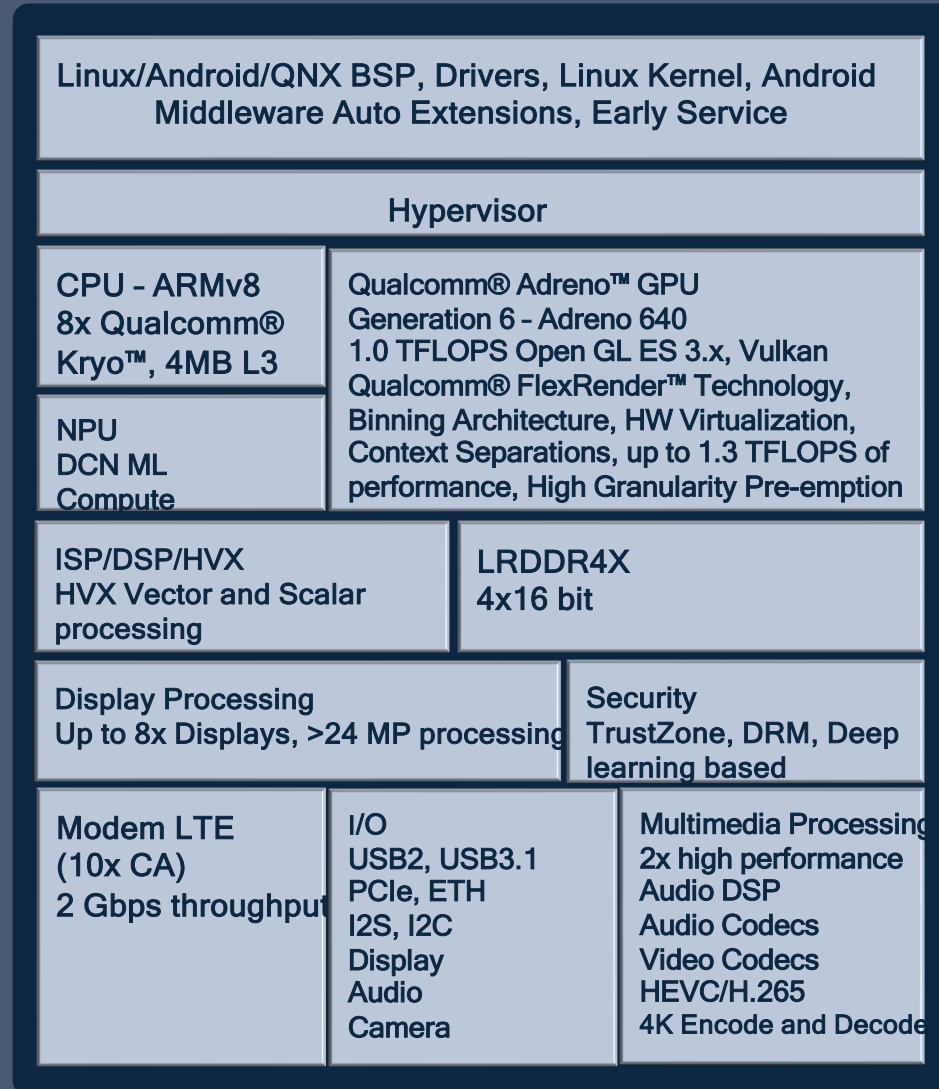
NPU: AI/ML compute engine
Neural Network Processing

Heterogenous compute architecture
High-performance DSP
Multi-camera input
Surround-view camera
Object recognition, Image recognition

HW Multi Display Compositor

Optional Modem:
Multi-constellation support

Optional Connectivity:
Wi-Fi + Bluetooth®



Software Integration
System Level Performance Optimization
Platform integration
Multimedia shared device folder

Highest performance GPU
For infotainment, instrument cluster

Multiple 4K displays, up to
8 simultaneous displays

Latest SCSA security architecture

Next generation audio and video codec
in hardware including HEVC, VP9
DVR capability with H.265 encode

Superior multimedia technologies and features