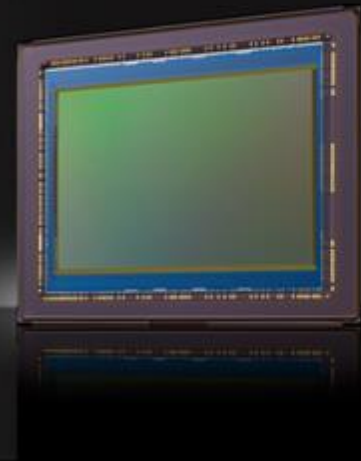


SIS-EVK-865

Image Sensor Development Kit

Based on Qualcomm® Snapdragon 865 SoC Platform



About eInfochips

eInfochips is product engineering services company offering technology consulting and product design services in multiple industry verticals like aerospace & defense, security and surveillance, medical and healthcare, industrial and home Automation, consumer electronics and more.

eInfochips being a Qualcomm Snapdragon Technology Partner (STP) offers turnkey product designs on multiple Snapdragon SoCs and have enabled global customers with Qualcomm based product designs.

Engineering Highlights

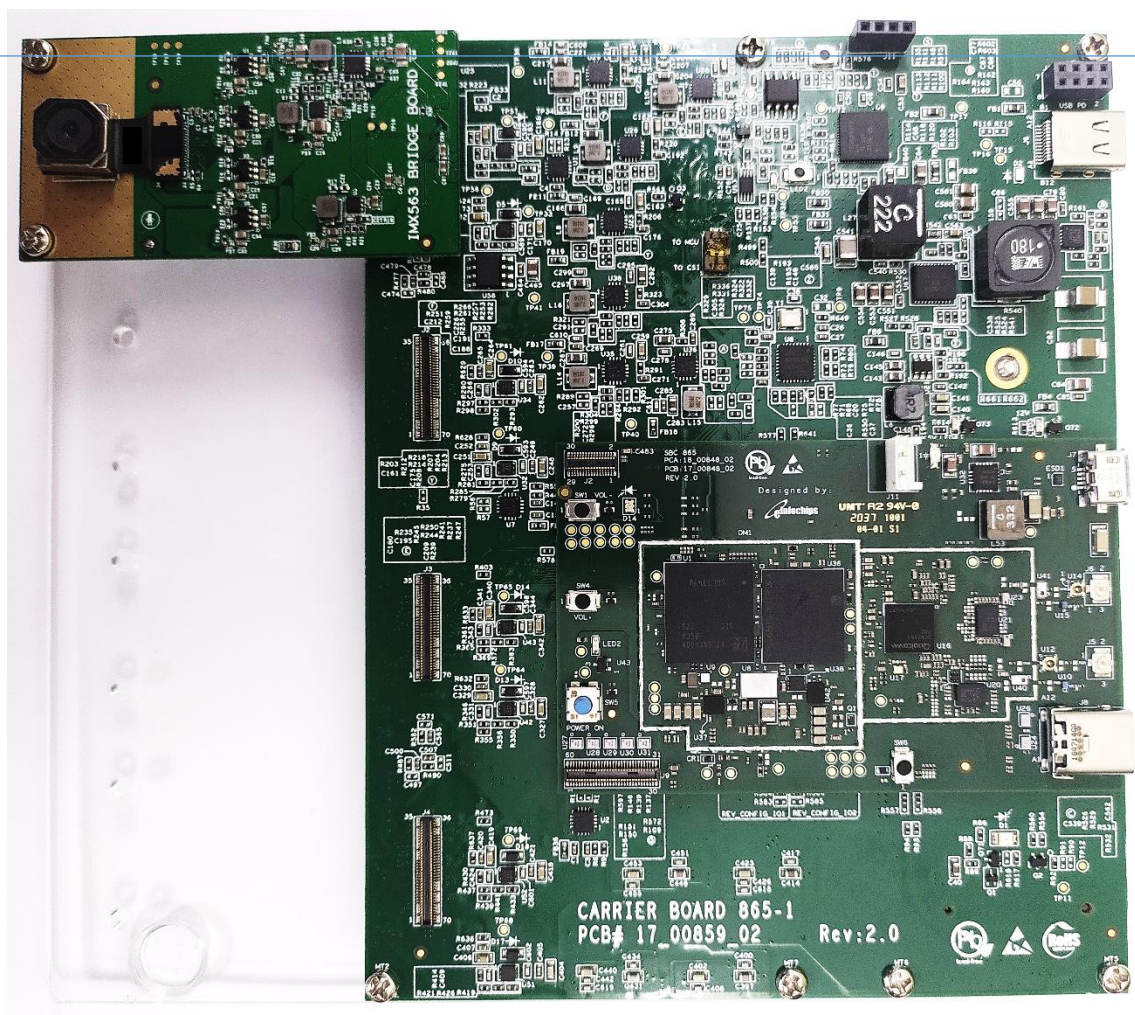
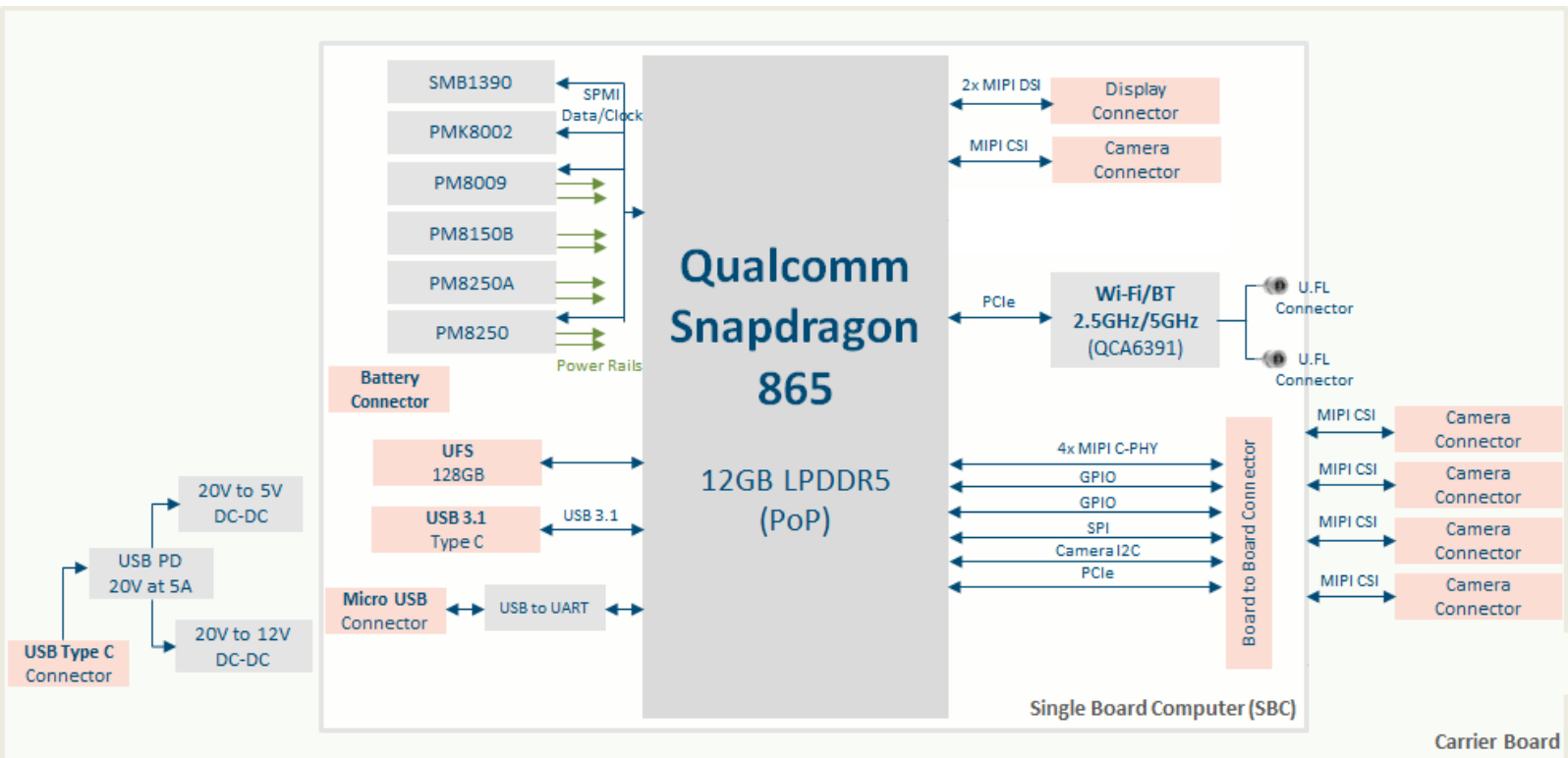
- 24+ Years of experience in system design
- 10 Design centers spread across USA & India
- 500+ Product designs
- 35+ Product designs on Qualcomm
- 15M+ Product deployments across globe
- ISO 9001 and CMMi L3 compliant processes

SIS-EVK-865

The Development Kit is based on SRX2130p/QCS8250 System on Chip (SOC) from Qualcomm®. This development kit is meant to evaluate the performance of Camera image sensors using MIPI CSI C-PHY data bus for video and image capture. Snapdragon 865 is based on 7nm FinFit geometry & delivers powerful computing for augmented reality, AI & machine learning applications, with exceptional power and thermal efficiency. Snapdragon 865 incorporates four Kryo™ 585 Gold cores operating at 2.4GHz (three cores) & 2.8GHz (one core) and four Kryo™ 585 Silver cores operating at 1.8GHz.

SIS-EVK-865 enables OEMs and engineers to evaluate performance of Camera image sensor for their product designs and reduce time to market for their product designs.

- AI and ML Applications
- 4K Camera
- Medical Imaging
- Augmented Reality
- Virtual Reality
- Machine Vision
- Digital Signage
- Video Conferencing Systems
- Robotics
- High end Gaming





Processor

- Qualcomm® Snapdragon™ 8250
- 64-Bit Octa-core Kryo™ 585
- Hexagon™ DSP with quad HVX
- Adreno™ 650 GPU
- Spectra™ 480 Dual 14-bit ISP

Memory and Storage

- 12GB LPDDR5 PoP Memory
- 128GB UFS 3.0

Connectivity

Wi-Fi

- Qualcomm® Wi-Fi via QCA6391 802.11a/b/g/n/ac/ax 2.4/5.0 GHz
- 2x UFL Antenna

Bluetooth

- Support BT 5.0 + HS and backward compatible with BT 1.x, 2.x + EDR

USB

- 1x Type-C USB3.1
- 1x Micro USB (for Debug)

Power Specification

- Power supply input: 20V/3A or more input AC-DC Power Adapter (USB PD)

Camera

- 3x 3-Trio MIPI CSI CPHY + 2x 4-Lane MIPI CSI DPHY
- 4x MIPI CSI input ports on carrier board + 1x MIPI CSI input ports on SBC board
- Adjustable supply of both voltage and clock for carrier board CSI ports

Display

- 2x 4-Lane MIPI DSI DPHY (OR) 2x 3-Trio MIPI DSI CPHY
- Display Connector via SBC board

Video

Encode

- H.265 Main 10, H.265 Main, H.264 High, and VP8 codecs
- Video encode up to 4K120 or 8K30

Decode

- H.265 Main 10, H.265 Main, H.264 High, VP9 profile 2, VP8, and MPEG-2 codecs
- Video decode up to 4K240 or 8K60

Simultaneous Encode + Decode

- 4K 60D + 4K 30F

Mechanical Specification

- SBC board: 50 mm x 80 mm
- Carrier board: 110 mm x 140 mm

Temperature Specification

- Operating Temperature Range: 0 °C to 55 °C

Operating System

- Android 10.0

Kit Contents

- Single Board Computer (SBC) Board
- Carrier Board
- Setup Guide

Add-on Accessories

- Power Supply Adaptor: [65W Standard AC Adapter](#)

Orderable Part

- Development Kit: EIC-SIS865-210

(Camera module is not included in the kit)