

TURBOX

C865 SOM

Automated Guided Vehicle

Consumption/Entertainment Robot

Industrial Control

Industrial Robot

Self-Driving Vehicle For Logistics

Service Robot

Thundercomm TurboX™ C865 SOM is a highly integrated System On Module (SOM) which is powered by premium-tier Qualcomm Snapdragon™ QCS8250 processor. TurboX™ C865 supports Android, featuring in advanced AI increases, optimized 5G system, huge camera and video advancements and evolved graphics. It is an ideal platform for IoT products require high computing power, 5G connection, advanced camera capability, and superior graphics performance.

Overview

C865 SOM Applications



Service Robot



Industrial Robot/Control



Automated Guided Vehicle



Self-driving Vehicle for logistics



Consumption/Entertainment Robot



Industrial Drone

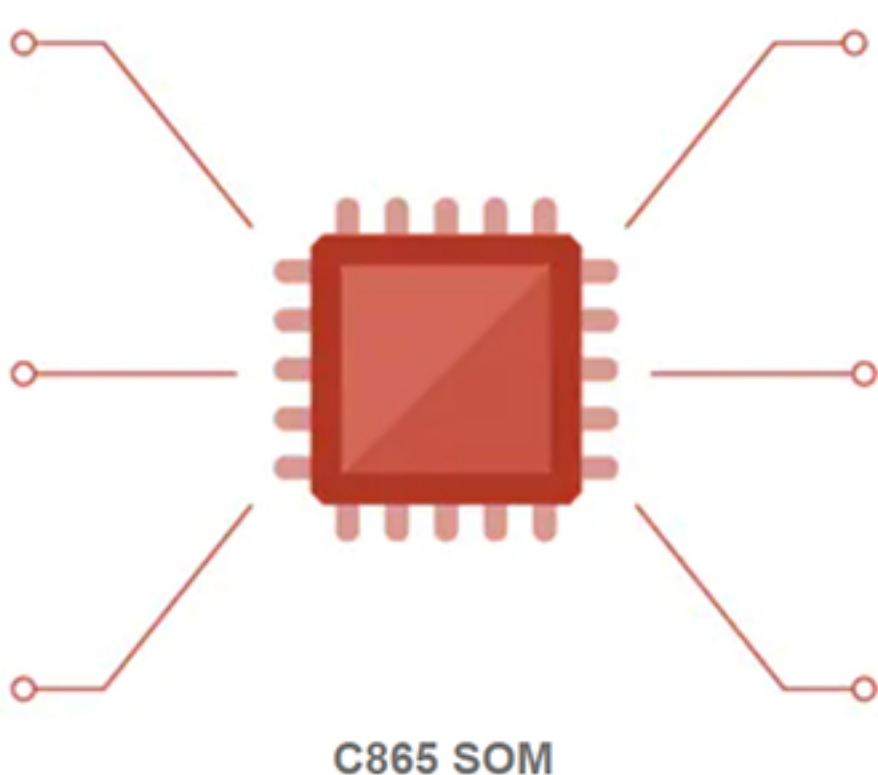
C865 SOM Features

5th generation Qualcomm AI Engine is 2x more powerful than its predecessor

15 TOPS AI performance while using lower power

All-new Qualcomm Hexagon Tensor Accelerator

New CV-ISP operates at 2 Giga-pixels per second



C865 SOM

No limit HD slow-motion video capture at 960 FPS

First Dolby Vision for video capture on mobile

Kryo CPU provides 25% faster performance

True 10-bit HDR gaming and first-ever updatable GPU drivers on mobile

Specifications

Category	Description
Platform	Snapdragon™ QCS8250 Qualcomm® Kryo™ 585 Qualcomm® Adreno™ 650 GPU, Adreno 665 VPU, Adreno 995 DPU Qualcomm® Hexagon™ DSP with quad HVX Qualcomm Spectra™ 480 image processing
Connectivity	WiFi: QCA6391 (802.11 a/b/g/n/ac/ax, 2x2Mimo)
Encode	8K@30fps (H.264/H.265/VP8)
Decode	8K@60fps (H.264/H.265/ VP8/VP9)
Display Interfaces	2x MIPI-DSI 4-lane ; Support 5040*2160@60fps
Camera Interfaces	6x MIPI-CSI, 4-lane,(2.5 Gbps per lane) supports CMOS and CCD sensors up to 64 MP sensors
Other Interfaces	1 x Sound Wire, 2x RF connector for WiFi, 2 x USB 3.1, 2 x SSC I/F for sensor, 2 x PCIe, 1 x UART, 1 x SDC for micro-SD, 6 x DMICs, 2 x Speakers, GPIOs
Operating Environment	Operation Temperature: -25°C ~ +75°C Operation Humidity: 5%~95%, non-condensing
Voltage	3.8V ~ 4.2V
Dimension	45 x 56 x 9mm B2B Connector
OS Support	Android 10

RELATED PRODUCTS



C865 Development Kit

[Automated Guided Vehicle](#)

[Consumption/Entertainment Robot](#)

[Industrial Control](#) [Industrial Robot](#)

[Self-driving Vehicle for logistics](#)

[Service Robot](#)

ADDRESS

5405 Morehouse Drive, Suite 210, San Diego, CA 92121

GET IN TOUCH

Technical Support
service@thundercomm.com

Sales Enquiry
sales@thundercomm.com

Marketing Contact
marketing@thundercomm.com