

DATASHEET QCS605 AI BOX

- Powered by Qualcomm QCS605 SoC with Built-in AI Engine
- Powerful Computing for Video Processing and Machine Learning
- RJ-45 Connector for PoE Connection
- Digital Input x 2, Digital Output x 2



Overview

The QCS605 AI Box is an edge computing device that uses the Qualcomm QCS605 chip. With AI Box, users can upgrade their existing monitoring devices into an AIoT smart system.

QCS605 AI Box is equipped with SoC Octa-Core based on Qualcomm Visual Intelligence Platform, AI technology and processing engine of GPU Adreno 615, Spectra ISP and Hexagon DSP. AI Box supports hardware acceleration for deep research, powerful image computing capabilities, and edge computing performance that can optimize AI image processing capabilities.

Technical Specifications

System Information

SoC	Qualcomm QCS605
CPU	Kryo 300 CPU, Octa-core CPU (2x2.5GHz, 6x1.7Ghz) SOC: QCS605/ PM670/PM670L/WCN3990
Flash	16 GB
RAM	8 GB
OS	Android 10
Channel	4

Network

Protocols	DHCP, DNS, HTTP, HTTPS, IPv4, IPv6, RTSP/RTP/RTCP, NTP, TCP/IP
Interface	10 Base-T/100 Base-TX/1000 Base-T Ethernet (RJ-45)
Connective	WLAN 802.11 a/b/g/n/ac 2.4/5GHz 2x2 MIMO (WCN3990) Ethernet: Integrated POE/RJ45 1Gbps Bluetooth: Bluetooth 5.0 Location: GPS / GLONASS/ Beidou WWAN(4G): None

General

Interface	Universal serial bus (USB) (Client/Host): Type C/3.1 (Development only) Storage: Micro SD Card, external, up to 2TB Alarm I/O (2 In, 2 Out) Antenna: Wi-Fi/Bluetooth Antenna, Active GPS Antenna Display mode switch. Button factory reset
LED Indicator	Power LED for PWR on/off LAN (Link/Act) Status LED
Power Input	IEEE 802.3af Class3 PoE Or DC 12V
Audio	Support line and line out
Dimensions	123.42 x 124 x 42.5 mm
Display	HDMI (DSI-HDMI bridge-LT9611), Resolution up to 4k/30hz Ultra HD

Dimensions

