

AIB-Q6490

PRELIMINARY



Specification

System Information

Processor	QCS6490 Qualcomm® Kryo™ 670, 8 cores, up to 2.7 GHz, 12 TOPS (INT8)
System Memory	LPDDR4, 8GB (optional 4GB/16GB)

Expansion

M.2	1 x M.2 B key 3052 (USB3.1) reference RM520N-GL Quectel
Nano SIM slot	1 x Nano SIM slot (push and pull)

Storage

UFS	Support UFS 3.1, default 128GB
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Front I/O

Network	1 x GbE (RJ-45)
HDMI	1x HDMI
Audio	1x Mic in, 1x Speaker
Antenna	2x Antenna Holes
LED Indicator	1 x PWR LED
USB	2 x USB 3.1 Gen1 Type A
Serial	1 x RS-232/RS485 (RX, TX, RTS, CTS) (DB9)
GPIO	1 x 16-bit DIO

I/O

USB Port	4x USB 2.0 , 1xUSB 3 type C (download only)
WI-FI	802.11 ax
LED	1 x Power LED, 1 x System LED
I2C	1 x I2C
SD	1 x uSD3.0 card
Debug	UART (TX,RX)

Power Requirement	
DC Input Connector	DC jack
Power Requirement	DC 12V
Software Support	
OS	Linux, Andriod , Windows(by demand)
Certification	
Certification Information	CE, FCC, RoHS
Mechanical & Environmental	
Operating Temp.	-20°C~60°C
Storage Temp.	-40 to 85°C
Dimension (W x L x H)	TBD
Mounting Kit	DIN Rail Mount
Structure	Sheet Metal Fann Connector (option) (TBD)

Block Diagram

System Dimensions

Mechanical Drawing

I/O