

QXe-900

Qualcomm®KryoGen 6 CPU built on Arm v8.2 Cortex technology **(Preliminary)**



Features

- Qualcomm® IQ9075M with onboard 36GB LPDDR5
- Low Power consumption 20Watt (SoC) with AI performance of up to 180 TOPS
- Multiple I/O interface for data collection
- 4x MIPI Camera or (optional) 8x GMSL2 FAKRA
- (Optional) 4x PoE IEEE802.3 AF
- Wide operating temperature range -20°C~60°C and wide power input 9~55V

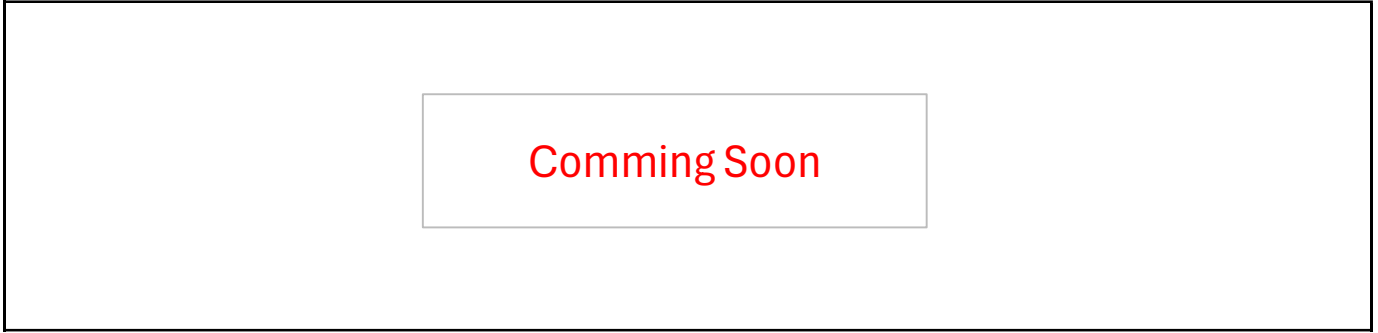
Specifications

System	
CPU	Qualcomm®KryoGen 6 CPU built on Arm v8.2 Cortex technology
GPU	Qualcomm®Adreno663 GPU
NPU	Dual V73, four HVX, two HMX, up to 1.5 GHz
Video Processor	decode 4k275, encode 4k170, concurrent 4k120 decode/encode
SoC	Qualcomm® QCS9075
Memory	36GB LPDDR5
Indicators	1 x LED indicator (Power status)
Operating System	Linux Kernel 4.14 & above, (64-bit)
Power Supply	
Power Requirement	Support DC input range of 9V to 55V
Power Consumption	TBD
MTBF (Hours)	TBD
Environmental and Mechanical	
Dimension	175mm(W) x 120mm(D) x 72mm(H)
Weight	1.5kg
Mouting/Installation	TBD
Operating Temperature	-4 °F ~ 140 °F (-20 °C ~ 60 °C)
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 85 °C)
Operating Humidity	5% ~ 95% relative humidity, non-condensing
Certification	
Regulations	CE, FCC, and planning

Interface	
Audio	1 x Phone Jack (Line-Out/MIC-IN) 2 x Speaker Connector (R/L)(terminal block)
CAN	Terminal block for 1 x CAN
Serial Port	2 x DB9 (RS232/422/485)
Ethernet	2 x RJ45 2.5Gb Ethernet (10/100M/1000M/2.5G)(QCA8081)
Security & TPM 2.0	Yes
USB	2 x USB3.0 Type-A 1 x USB3.1 Type-C
DI/DO	Terminal block 2x5 for 4DI/4DO
Display	2 x DP out
Flash (for Boot)	1 x 128GB UFS3.1
Storage	1 M.2 M-key 2280 (PCIE x4) for NVMe
Camera (optional)	8 x GMSL2 (FAKRA)
PoE (optional)	4 x RJ45 Gigabit Ethernet (10/100M/1000M)
Wireless	1 x M.2 Key-E 2230 (USB2.0/PCIEx1)
4G/5G	1 x M.2 Key-B 3052 (USB3.0/USB2.0)
SIM	1 x Nano SIM card
Micro SD	1 x Micro SD socket
Button	IGN ON
Power Connector	Terminal Block
Antenna	TBD
Battery	CR2032 RTC battery
Hardware monitoring	CPU Temperature

Dimension

Unit: mm / inch



Ordering Information

Packing List

TBD

Part Number

TBD

Optional Accessories

Part Number / Item

Wi-Fi Module	Wi-Fi Module M.2 2230 with Antenna
4G LTE Module	4G LTE Module M.2 3042 with Antenna
5G Module	5G Module M.2 3052 with Antenna
NEW	Expansion Board for Camera
NEW	Expansion Board for PoE