

AIC

200

Qualcomm IQ615s 8-core Kryo™ Processor
Arm-based IoT Gateway

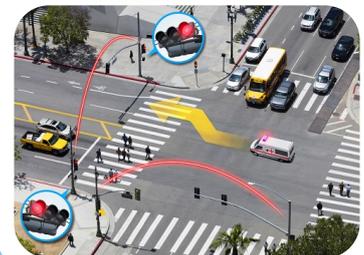


Smart Building

- 9V to 50V wide range DC Power Input
- 2 Gb LAN, 2 USB 3.0, 2 RS-232/485
- Industrial-grade Qualcomm IQ615s 8-core Kryo™ Processor
- Supports 1 HDMI 1.4 display for real-time visualization
- M.2 Key E for Wi-Fi/Bluetooth wireless connection
- M.2 Key B with SIM socket for 5G/4G LTE expansion
- Compact system with DIN Rail and Wall mount, -30°C to 70°C extended temperature



Energy Management



V2X collaboration



Vecow

Specifications

System

Processor	Qualcomm IQ615s 8-core Kryo™ CPU (2x high-performance cores @1.9GHz, 6x efficiency cores @1.6GHz, ARMv8-A compatible)
Memory	8GB LPDDR4x 1555MHz onboard
Storage	AIC-200-UFS-128GB: 1 128GB UFS AIC-200-eMMC-64GB: 1 64GB eMMC
EEPROM	1 EEPROM, up to 16KB
OS	Linux OS (Yocto)

Ethernet

LAN 1	10/100/1000 Base-T RJ45 port
LAN 2	10/100/1000 Base-T RJ45 port

Storage

SD	1 Micro SD Socket supports SDHC, up to 128GB (External)
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I/O Interface

USB	2 USB 3.0
Serial	2 5-pin terminal block for RS-232/485
Console	1 Micro USB 2.0
Button	- 1 Power Button - 1 HW Reset Button - 1 Recovery Button
SIM	1 Micro SIM card socket
LED	4 LED for Power, PGM(eMMC Status), WLAN(Wi-Fi), Cell. (5G/4G LTE) LED
Antenna	5 Antenna cutouts

Expansion

M.2 Key E	M.2 Key E 2230 for External Wi-Fi/Bluetooth card
M.2 Key B	M.2 Key B 3052 for External SIM socket (5G/4G LTE)
SIM Card	1 Nano SIM card socket (External)

Power

Power Input	9–50 V DC input
Power Interface	3-pin terminal block : V+, V-, Frame Ground

Others

Watchdog Timer	Reset : 0.5 to 128 sec./min. per step
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Mechanical

Dimensions (W x L x H)	144mm x 106mm x 40mm (5.67" x 4.17" x 1.58")
Weight	640 g
Mounting	Wall-mount by mounting bracket; DIN Rail Mount (Optional)

Environment

Operating Temperature	-30°C to 70°C (-22°F to 158°F)
Storage Temperature	-40°C to 105°C (-40°F to 221°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% at 70°C
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-64
EMC	CE, FCC, EN50155, EN50121-3-2

Order Information

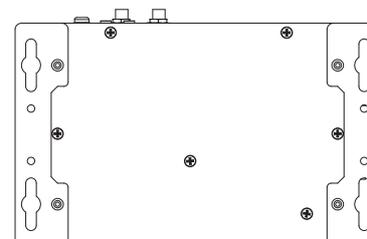
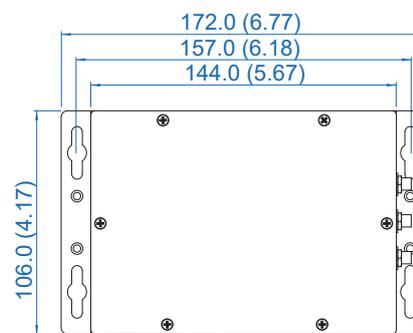
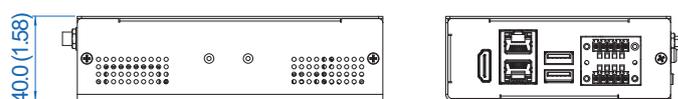
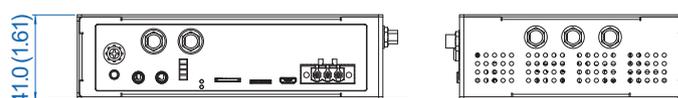
Model Name	CPU	LAN	USB	Serial	SIM	Storage
AIC-200-UFS-128GB	Qualcomm IQ615s	2	2	2	1	UFS
AIC-200-eMMC-64GB		2	2	2	1	eMMC

Accessories

PWA-12W-US	12W, 12V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block (US Type)
PWA-12W-EU	12W, 12V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block (EU Type)
PWA-18W-WT	18W, 24V, 85V AC to 264V AC Power Adaptor with 3-pin Terminal Block, Wide Temperature -30°C to +70°C
DIN-RAIL	DIN Rail Kit
5G Module	5G Module with Antenna
4G Module	Mini PCIe 4G/GPS Module with Antenna
WiFi & Bluetooth	WiFi & Bluetooth Module with Antenna

Dimensions & Drawing

Unit : mm (inch)



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