EC900-QCS

Qualcomm® QCS6490
Ultra Small Size Embedded System

KEY FEATURES

Qualcomm
Qualcomm QCS6490 high-level platform

High Speed Memory Down
LPDDR5x on board memory up to 8G

Multiple Expansions
1 M.2 E key 2230, 1 M.2 B key 3052

Rich I/O
2 USB 3.1, 1 GbE LAN, 1 HDMI, 1 Audio Jack, 1 COM, 8 bit DIO/1 CAN FD
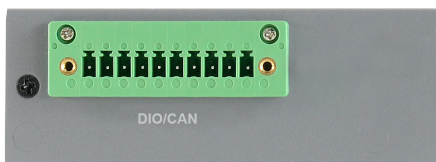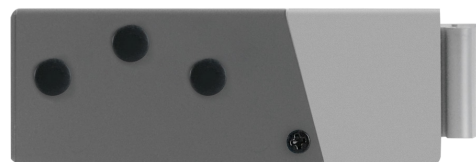
AMR
Target on AMR, box PC application

FC CE RoHS UKCA

PANEL

Front View

Rear View

Left View

Right View

DFI Desire For Innovation

SPECIFICATION

PLATFORM	**Platform**	ARM
SYSTEM	**Processor**	QCS6490 Qualcomm® Kryo™ 670, 8 cores, up to 2.7 GHz, 12 TOPS (INT8)
	Memory	LPDDR5x, 4/8GB
GRAPHICS	**Display**	1 x HDMI Type A, w/audio. 1080P support on Linux.
	Single Display	HDMI
STORAGE	**External / Internal**	Support UFS 3.1, default 128GB 1 x uSD3.0 card
EXPANSION	**Interface**	1 x M.2 B key 3052 (USB 3.1/ Opt. USB 2.0) 1 x M.2 E key 2230 (PCIe x1) 1 x Nano SIM slot
ETHERNET	**Controller**	AX88179A USB3 to GbE controller
LED	**Indicators**	1 x Status LED
I/O	**Ethernet**	1 x GbE (RJ-45)
	Serial	1 x RS-232
	USB	2 x USB 3.1 Gen1 Type A
	Display	1 x HDMI 1.4
	WiFi/LTE Antenna	3 x Antenna Holes
	DIO	8 bit DIO (Via Terminal block, Default 6 DIO)
INTERNAL I/O	**USB**	3 x USB 2.0 (UBJ1/2/4, 1x4P/1.25mm), UBJ4 could option to M.2 B key1 x USB Type C (Download only)
	Serial	2 x RS-232
POWER	**Type**	5VDC
	Connector	2 pin Power Jack
	Consumption	Typical: QCS6490: 5V @ 0.6A (3.0Watt) Max.: QCS6490: 5V @ 1.45A (7.25Watt)
OS SUPPORT	**Os Support**	Ubuntu 20.04 (Linux Kernel 5.4.233)
MECHANISM	**Construction**	Sheet Metal
	Mounting	DIN Rail Mount
	Dimensions (W x H x D)	145mm x 34mm x 96mm
	Weight	TBD
ENVIRONMENT	**Operating Temperature**	-20~60°C
	Storage Temperature	-40 to 85°C
	Relative Humidity	10 to 95% RH (non-condensing)
STANDARDS AND CERTIFICATIONS	**Shock**	Operating: 3G, 11ms Non-Operating: 5G, 11ms
	Vibration	Operating: Random 5~500Hz, IEC68-2-64 (3G) Non-Operating: Sine 10~500Hz, IEC68-2-6 (3G)
	Certification	CE, FCC Class A, UKCA, RoHS

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660