

# NEC-C502

## Industrial IoT Edge Gateway with NXP i.MX 8M Plus Quad Cortex-A53/M7



### Features

- NXP i.MX 8M Plus Quad-core Cortex-A53/M7 Processor
- Onboard DDR4L 8 GB/eMMC 32 GB
- 2 x USB 3.0 type A, 1 x CAN-FD
- 9 ~ 36 VDC, wide-range power input
- Optional expansion for Cellular/WLAN
- Optional for 4 x PoE support compliant with IEEE 802.3af-2003 standard, and delivers a maximum power of 15.4 watts per port

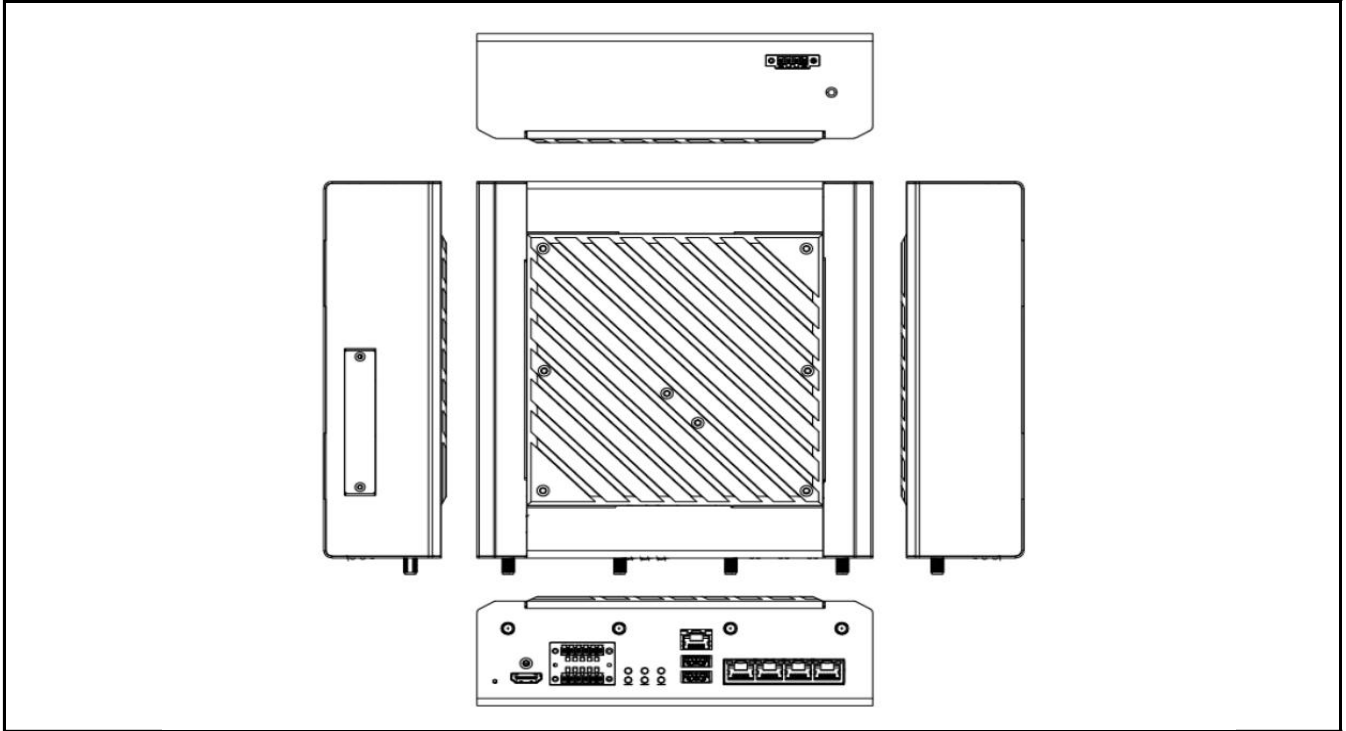
### Specifications

System	
CPU/GPU	NXP i.MX 8M Plus Cortex-A53/M7
Memory	Onboard DDR4L 8 GB
Storage	Onboard eMMC 32 GB
Real time clock	1 x RTC
Indicators	6 x LED indicators
Security	1 x TPM 2.0
Cellular	1 x mPCIe, USB signal 3052
Wireless LAN	1 x mPCIe, PCIe signal 3052
Operating System	--
Support Protocol	--
Power Supply	
Power Requirement	9 ~ 36 VDC
Power Consumption	TBD
MTBF (Hours)	--
Environmental and Mechanical	
Dimension	106 x 91 x 30 mm (4.17" x 3.58" x 1.18")
Weight	0.31 kg
Mouting/Installation	--
Operating Temperature	-20 ~ 55 °C (-4 ~ 131 °F)
Storage Temperature	-40 ~ 80 °C (-40 ~ 176 °F)
Operating Humidity	10% ~ 95% relative humidity non-condensing
Certification	
Regulations	CE, FCC
Carrier	Planning

Interface	
Serial Port	2 x RS-485, Terminal Block
CAN Bus	--
Ethernet	1 x 10/100/1000 Mbps 4 x 10/100 Mbps PoE IEEE 802.3af PSE (Optional)
USB	2 x USB 3.0 type A
ADC	--
DI/DO	2 x DI (Wet contact, sink) Low input voltage < +8 V High input voltage +9 V ~ +31.2 V
AI/AO	--
Display	1 x HDMI 2.0
Power Connector	1 x Terminal Block 3pin
Debug Port	1 x Micro USB
Expansion Slot	1 x SIM card slot 1 x microSD slot
Other Interface	4 x SMA for RF Module

## Dimension

Unit: mm / inch



## Ordering Information

### Packing List

- 2 x Terminal Block
- 1 x DIN Mounting Kits

### Part Number

<b>2NEC-C502-01</b>	Networking Micro Box, ARM Cortex A53 DDR4L 8 GB eMMC 32 GB, 9 ~ 36 VDC
<b>2NEC-C502-02</b>	Networking Micro Box, ARM Cortex A53 DDR4L 8 GB eMMC 32 GB, PSE, 48 ~ 54 VDC

## Optional Accessories

### Part Number / Item

<b>4G LTE</b>	mPCIe card, 4G LTE Module
<b>Wi-Fi</b>	mPCIe, Wi-Fi Module
<b>Antenna</b>	Antenna GPS
<b>PSE</b>	PSE Module
<b>Adapter</b>	Adapter AC/DC 100 ~ 240 VAC 12 VDC
<b>Power Cord</b>	Power Cord