



Product Feature:

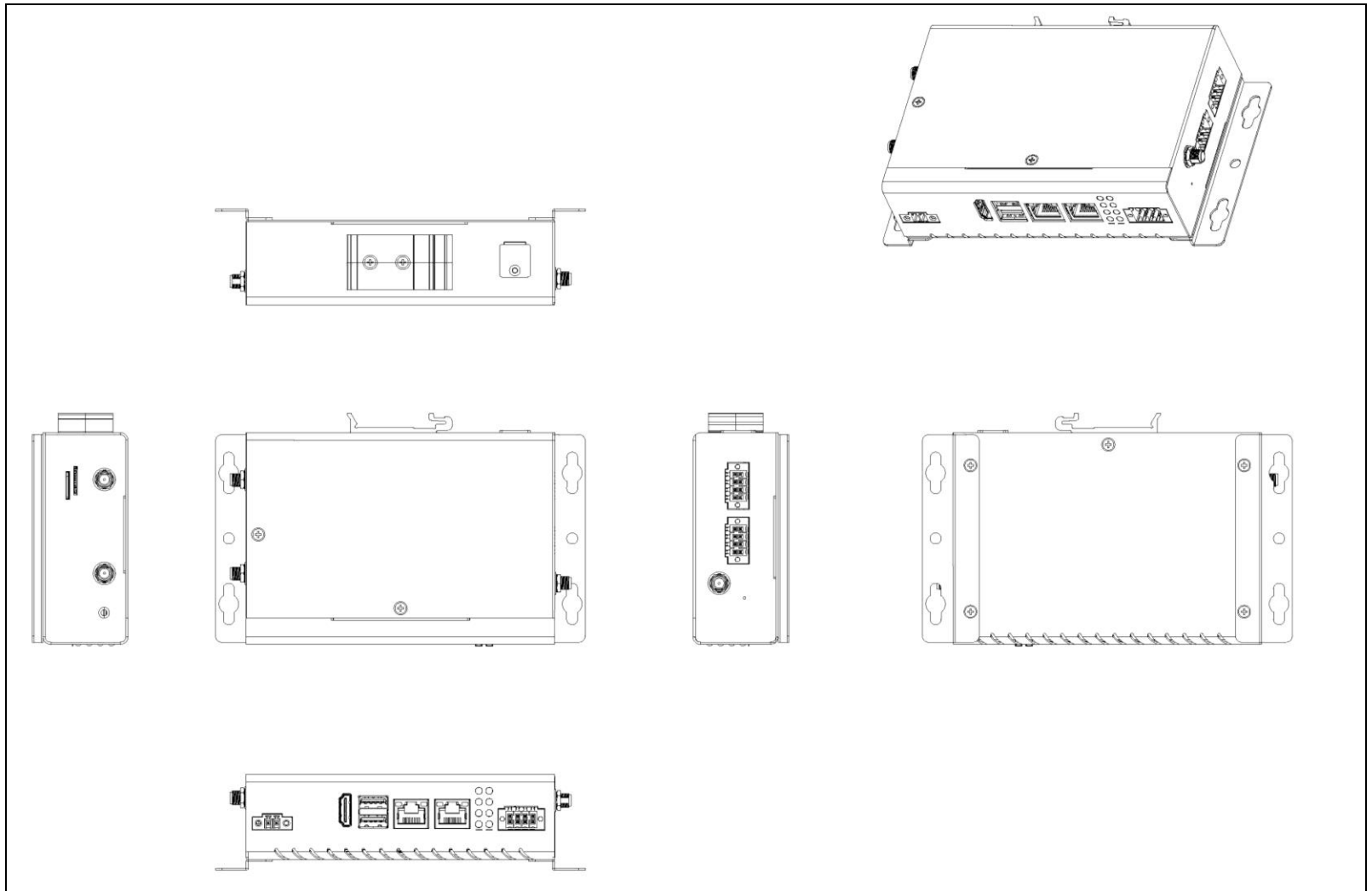
- NXP i.MX 8M Plus Quad Cortex-A53 /M7 Processor
- Max. LPDDR4 8GB / eMMC 32GB
- 2 x Serial port (RS232/485/422)
- CAN-FD x 2CH
- 2 x M.2 connector for RF Module
- Support RTC, TPM 2.0
- Pre-Install Linux Debian 11, Yocto kirkstone 5.15(Optional)
- Wide Temperature -20 °C ~ 70 °C

Specifications

System		Interface	
CPU/MCU	NXP i.MX 8M Plus, Quad-Core ARM Cortex-A53/M7 Processor	Serial Port	2 x RS232/RS485, Phoenix Connector
Memory	LPDDR4 4GB / 8GB(Optional)	Ethernet	2 x Gigabit Ethernet, RJ45
Storage	eMMC 32GB	USB	2 x USB 3.0, Type A
Real time clock	1 x RTC, with 3V CR2032 lithium battery	ADC	--
Indicators	7 x LED indicator	DI/DO	--
Security	1 x TPM 2.0	AI/AO	--
Cellular	1x M.2 B key	CAN Bus	2CH x CAN-FD, Phoenix Connector
Wireless LAN	1x M.2 E key,	Display	1 x HDMI (Output)
Operating System	Linux Debian 11, Yocto kirkstone 5.15 Ubuntu 22.04 (Optional)	Power Connector	1 x 2pin Terminal Block
Support Protocol	--	Debug Port	1 x Micro USB
Power Supply		Expansion Slot	1 x SIM card slot 1 x Micro SD slot
Power Requirement	DC 9~36V	Other Interface	3 x SMA for RF Module
Power Consumption	9.36W (Full Loading)		
MTBF (Hours)	479,374		
Environmental and Mechanical			
Dimension	5.5" x 3.9" x 1.5" (140.5 x 98 x 39 mm)		
Weight	500g		
Mouting/Installation	Din Rail, Wall Mount (Optional)		
Operating Temperature	-4 °F ~ 158 °F (-20 °C ~ 70 °C)		
Storage Temperature	-40 °F ~ 176 °F (-40 °C ~ 80 °C)		
Operating Humidity	10% ~ 95% relative umidity, non-condensing		
Certification			
Regulations	CE, FCC		
Carrier	Planning		

Dimension

Unit: mm / inch



Ordering Information

Part Number	Packing List
2SIG-C302-12-01 Protocol Gateway, ARM Cortex A53/M7, LPDDR4 4GB,12/24VDC	4 x Terminal Block 1 x DIN Mounting Kits
2SIG-C302-22-01 Protocol Gateway, ARM Cortex A53/M7, LPDDR4 8GB,12/24VDC	

Optional Accessories

Part Number / Item			
4G LTE	M.2 card. 4G LTE Module	Adapter	Power Adapter. AC/DC. 100-240VAC. 12VDC
5G	M.2 card. 5G Module	Power Cord	Power Cord
Antenna	Antenna GPS	Wall Mount	Wall Mount Kits
Wi-Fi	M.2 card. Wi-Fi Module		