



IoT Gateway | Router | Open Ubuntu OS | PLC | SCADA | IO Controller

EdgeGate

EdgePC & IoT Gateway

- Multifunctional Industrial EdgePC & IoT Gateway: Open Ubuntu Platform with Integrated SCADA
- Node-RED and OpenPLC (Comply with IEC61131-3 standard)
- 4G/LTE Cat. 4 Global + GNSS + WIFI 2.4 / 5 GHz
- 1x WAN/LAN (10/100/1000 Mbps) + 1x LAN (10/100 Mbps)
- 1x RS232, 2x RS485, 1x CAN, 3x USB, 1x HDMI
- 12~36 VDC, -20°C~70°C, EMC Level 3, 79.6x 58 x110 mm
- Multi Protocols: Modbus RTU/TCP, OPC-UA, BACnet, IEC104, IEC61850, MQTT, JSON and more coming soon
- Supports 5* variants of SmartIOs (SIO) module as expansion
- Up to 6* SmartIOs expansion modules can be connected



HPU

CPU:	ARM Cortex-A53, Quad-Core, 2.0 GHz
GPU:	Mali-G52-2EE, 1Core
NPU:	1 TOPS, Support TensorFlow, TF-lite, Pytorch, caffe, ONNX, MXNet, Keras, Darknet

MEMORY

Capacity:	4GB
Frequency:	2666 MHz
Type:	LPDDR4

STORAGE

eMMC:	1x eMMC 32GB
microSD:	1x microSD slot (up to 128GB)

I/O INTERFACE

USB ports:	2x USB 2.0, 1x USB 3.0 Type-C
COM:	1x RS232, 2x RS485, 1x CAN
HDMI:	1x HDMI 2.0
AUDIO:	1x Audio-output Jack
I/O expansion:	up to 6x SmartIOs via I/O expansion port

ETHERNET

WAN/LAN:	1x WAN/LAN (10/100/1000 Mbps) 1x LAN (10/100 Mbps)
-----------------	---

WIRELESS

WIFI:	Dual-band WIFI 2.4 / 5 GHz (SMA-M) IEEE 802.11a/b/g/n/ac/ax
--------------	--

CELLULAR + GNSS

4G/LTE:	4G/LTE Cat. 4 Global (SMA-F)
Frequency:	TDD-LTE: B34/38/39/40/41 FDD-LTE: B1/2/3/4/5/7/8/12/13/18/ 19/20/25/26/28/66 WCDMA: B1/2/4/5/6/8/19 GSM/EDGE: B2/3/5/8
SIM:	2x Nano SIM or 1x Nano SIM + 1x eSIM
GNSS:	GPS, GLONASS, BeiDou/Compass, Galileo and QZSS (SMA-F)

POWER

Power in:	12~36V, DC-in
Max Power :	~1A @12V (w/o SmartIOs expansion modules)

MECHANICAL

Material:	Aluminum 6063, Silver anodized
IP Protection:	IP50
Dimensions:	(W)60x(D)87x(H)118mm
Weight:	< 600g
Mounting:	Wall/Book and DIN Rail Mount

ENVIRONMENT

Operating temp.:	-20°C ~70°C
Storage temp.:	-20°C ~ 80°C
Humidity:	10% to 90% RH @40°C, non-condensing
EMC:	CE, RoHS

*All product information may subject to change without prior notice.

*The rights of all brand names, product names and trademarks belong to their respective owners.

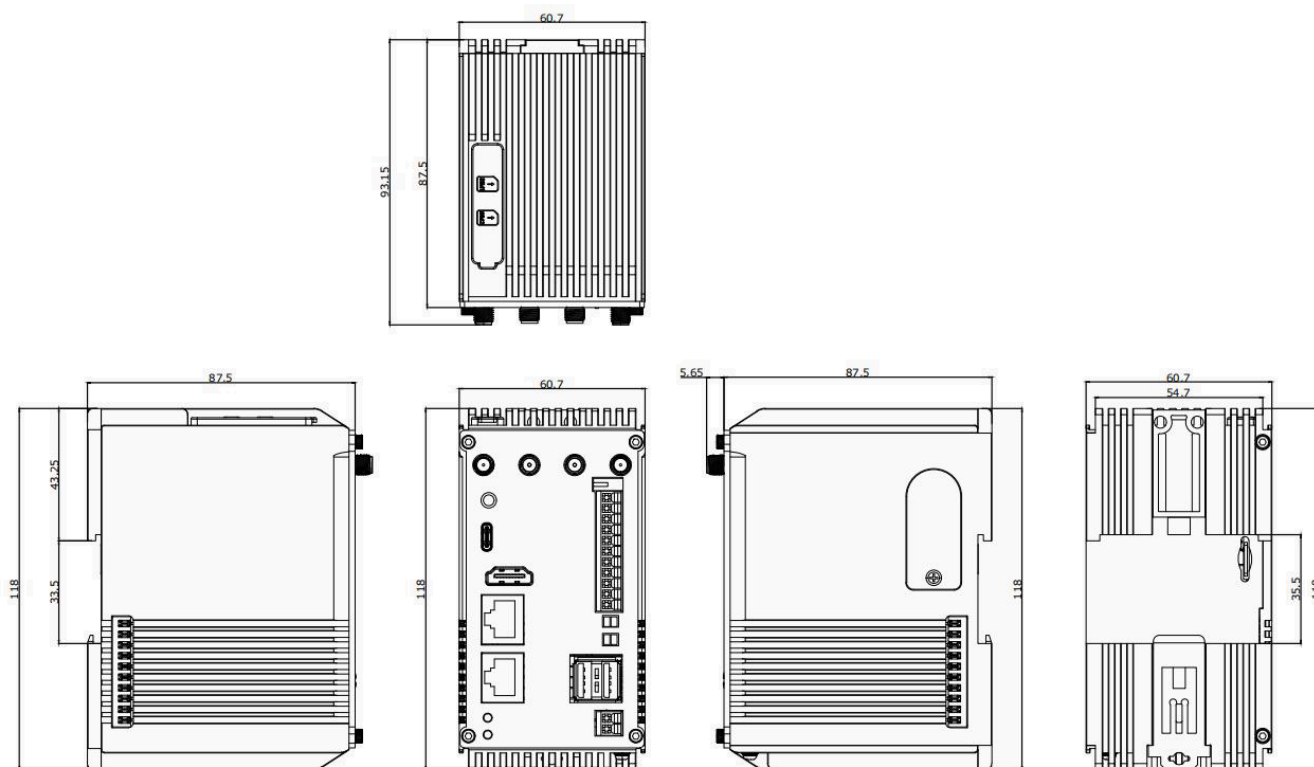
SARC ITALIA SRL

Strada Albareto, 503 - 41122 Modena - ITALY
Tel. +39 059 8751076 Fax. +39 059 8751025

Website: www.indatech.it

Email: info@indatech.it

Copyright © 2024 INDATECH. All rights reserved.



Accessories Included:

- Power Adapter 12V @12W
+ Adapter cable with 2-wire to F-Jack
- 2x 4G + 1x GNSS + 1x WIFI Antennas

Order Code:

10007285 **EdgeGate-WIFI-4G-GPS** WIFI + 4G/LTE + GNSS

IO Expansions modules: *(For details see SmartIOs (SIO) datasheet)*

10006849	SIO-4ID-4UD	4x Digital Input + 4x Digital Output
10006850	SIO-4IA-4UD	4x Analog Input (4~20mA) + 4x Digital Output
10006851	SIO-4IA-4UA	4x Analog Input (4~20mA) + 4x Analog Output (4~20mA / 0~10V)
10006852	SIO-8ID	8x Digital Input
10006853	SIO-8UD	8x Digital Output (3A)