

IoT Gateway + Router + PLC + IO Controller

**SmartGate**  
Edge IoT Gateway

- Multifunctional Industrial Edge IoT Gateway
- Graphical Programming PLC with Node-RED
- 4G/LTE Cat. 4 Global connectivity and GNSS (-G version)
- 1x WAN/LAN (10/100) + 1x LAN (10/100)
- 1x RS232/485, 1x RS485, 2DI, 2DO, 2AI(4~20mA)
- 9~36 VDC, -25~75°C, EMC Level 3, 79.6x 58 x1 10 mm
- Multi Protocols: Modbus RTU/TCP, OPC-UA, BACnet, MQTT, JSON and more coming soon
- Supports 5\* variants of SmartIO (SIO) module as expansion
- Up to 6\* SmartIO expansion modules can be connected



## CPU

**Main Core:** 2 Core / 4 Thread, 1.2 GHz  
**RT Core:** 1 Core, 240 MHz

## MEMORY

**Capacity:** 512MB  
**Frequency:** 800 MHz  
**Type:** LPDDR3

## STORAGE

**eMMC:** 1x eMMC 2GB  
**microSD:** 1x microSD slot (optional)

## I/O INTERFACE

**USB ports:** 1x USB Micro B  
**COM:** 1x RS232/485  
1x RS485  
**I/O:** 2x DI (0~2 Low, 9~36 High logic)  
2x AI (4~20mA)  
2x DO (10A / 28V DC, 10A / 277V AC-NO,  
5A / 250V AC-NC)

## ETHERNET

**LAN:** 1x 10/100 WAN/LAN  
1x 10/100 LAN  
IEEE 802.3, IEEE 802.3u standards,  
supports auto MDI/MDIX

## CELLULAR + GNSS ( -G version)

**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:** 1x Micro SIM  
1x eSIM (optional)  
**GNSS:** GPS, GLONASS, BeiDou/Compass,  
Galileo and QZSS (SMA-F)

## POWER

**Power in:** 9~36V, DC-in  
**Max Power :** 240mA @12V

## MECHANICAL

**Material:** ABS housing, IP30  
**Dimensions:** (W)58x(D)79.6x(H)110mm  
**Weight:** < 300g  
**Mounting:** Wall/Book and DIN Rail Mount

## ENVIRONMENT

**Operating temp.:** -25~75°C  
**Storage temp.:** -30°C to 85°C  
**Humidity:** 10% to 90% RH @40°C, non-condensing  
**EMC:** CE, FCC, RoHS

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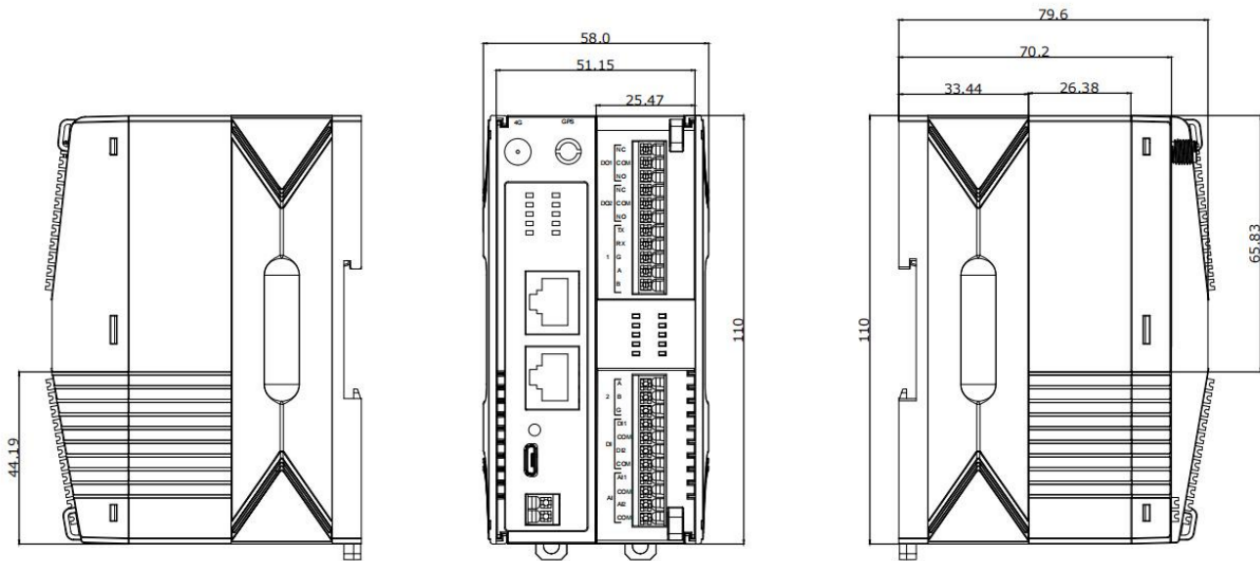
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#### Accessories Included:

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

#### Order Code:

10006847	<b>SmartGate</b>	Standard version
10006848	<b>SmartGate - G</b>	4G/LTE + GNSS version

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

<b>10006849</b>	<b>SIO-4ID4UD</b>	4x Digital Input + 4x Digital Output
<b>10006850</b>	<b>SIO-4IA4UD</b>	4x Analog Input (4~20mA) + 4x Digital Output
<b>10006851</b>	<b>SIO-4IA4UA</b>	4x Analog Input (4~20mA) + 4x Analog Output (4~20mA / 0~10V)
<b>10006852</b>	<b>SIO-8ID</b>	8x Digital Input
<b>10006853</b>	<b>SIO-8UD</b>	8x Digital Output (3A)