



Company: Small Data Garden
Product name: IOTSU® Modbus Gateway
Product code: IOTSU®GW01
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IOTSU® Modbus Gateway

IOTSU® Modbus Gateway is an Industrial-grade LoRaWAN® gateway which supports 4G/3G/2G and has an integrated LoRaWAN® network server and Modbus capabilities. The gateway also features WiFi and Power over Ethernet for versatile use.

The IOTSU® Modbus Gateway collects information sent by wireless IOTSU® LoRaWAN® devices and serves the data to other systems using Modbus or other interfaces such as MQTT. The gateway enables user-friendly device management and monitoring.



The IOTSU® Modbus Gateway can be integrated into building automation and control room systems to link wireless IOTSU® air quality monitoring monitor units to the local system. The information can be used for monitoring temperature, humidity, and other air quality parameters, and for controlling various system parameters such as heating and ventilation. This enables to optimise energy consumption, enhance occupant comfort, and ensure that building systems are functioning correctly.

Small Data Garden Oy's (SDG) products (IOTSU® Products) shall be used according to the manual and other instructions and not be used in any other way than their intended use defined by SDG. IOTSU® Products are designed for LPWAN technologies collecting non-critical information. SDG will not be held liable for any damage which may result from inaccurate readings and delayed data transmission. In case regular calibration of IOTSU® Products is needed, SDG shall not be responsible for this, and it is the Customer's responsibility to obtain calibration from a suitable service provider. For more information see SDG's General Terms and conditions for the supply of products and Legal Notices.



MAIN FEATURES:

- LoRaWAN® Gateway
- Modbus RTU & TCP
- 4G, WiFi and Ethernet

TECHNICAL SPECIFICATIONS:

Dimensions	:	105 x 90 x 46 mm
Weight	:	240 g
Sensor Connectivity	:	LoRaWAN® EU868
Connectivity	:	Ethernet (PoE-PD) WiFi 2,4 Ghz Cellular 4G/3G/2G (dual-SIM)
Interfaces	:	2x Serial ports RS-232 & RS485
Operating Conditions	:	-20 °C...+60 °C, Relative humidity 5...95 % (Non-condensing)
Mounting	:	Desktop, wall mounting and DIN rail mounting

Legal Notices

Small Data Garden Oy's (SDG) products (IOTSU® Products) shall be used according to the manual and other instructions and not be used in any other way than their intended use defined by SDG.

The user right of the firmware of SDG is limited to the version and specifications confirmed by SDG. Any unauthorised usage of device is prohibited and must be suspended by request of SDG. In addition, SDG is entitled to charge for unauthorised usage including administrative and solving cost. SDG shall not be responsible for damages caused by the user connecting the SDG's products (IOTSU® Products) and/or using the IOTSU® Products in any other way than their intended use nor for any damages caused by materials or product design defined by the client or by the working or manufacturing processes the client has determined.

IOTSU® Products are designed for collecting non-critical information for optimising energy consumption in long term usage and the IOTSU® Products are not intended to be used for life and security critical solutions. We rely on high-quality sensor, component and software suppliers and manufacturers and IT, LP-WAN and cloud service providers. However, for the reason that the accuracy and redundancy is depended among other things on operating circumstances, radiotechnology specifications and coverage, and because SDG relies on specifications provided by its suppliers, SDG will not be held liable for any damage which may result from inaccurate readings.

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