



SWYCS IoT Gateway datasheet

Interoperable, multiprotocol and user friendly IoT gateway

 English version



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Description

The SWYCS Industrial IoT Gateway connects all your edge systems, sensors and other intelligent devices to one another to enable smart buildings, smart homes and other smart applications. The multiprotocol gateway is fully based on open standards and can easily be adapted to fulfill every specific need.

As an interoperable gateway with an open operating system, internal data backup up to one month and a cloud API, it's the most advanced gateway to support connectivity and compatibility. It can be easily integrated with BMS, ERP and IWMS systems and other building and maintenance software applications.



Applications

- Building Automation
- Smart Buildings

Product features

- Easily integrated with BMS, ERP and IWMS systems and other building and maintenance software applications.
- Custom Linux distribution Operating System
- A local API and cloud API
- Compatible with all open standards
- Ease of installation with a pre-installed three-steps wizard for each protocol.
- Interoperable, vendor-neutral and easy-to-use IoT solution for any smart application

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Specifications

Specification

Memory	512 RAM, 8GB flash
Processor	ARM Cortex-A8 AM3358

Interfaces

Serial interface	RS232, RS422, RS485 (BACnet MS/TP), RS485 (Modbus RTU)
Industrial interface	2x Ethernet connection, 1 Gbps, 2x USB 2.0 type A connectors, 1x USB-C port (service port), M-Bus connections. PI (smart meter) connection

Hardware

Dimensions	170 x 90 x 53mm
Mounting type	DIN rail housing
Protection rating	IP20
Protocols	KNX TPI, Modbus RTU, BACnet MS/TP, DSMR PI
Status LED's	Running mode, Network status, Online Status
Other	Real-time clock (RTC), On/off switch, reset button

Power

Operating voltage	24V DC
Operating temperature	0 °C to 50 °C
Back up battery	Li-Po, 1300 mAh
Other	Automatic reboot after power failure



Sideview of the SWYCS IoT Gateway, showing off DIN rail system, Ethernet, USB 2.0 port, PI and KNX connections.



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