Gill IoT Gateway

Datasheet

Connects with Gill IoT Platform for remote sensor monitoring

The Gill IoT Gateway connects compatible Gill sensors with the Gill IoT Platform

The Gill IoT Gateway connects Gill Modbus RTU sensors, that are not inherently compatible with the Internet of Things, to the Gill IoT Platform.

The functionality of Gill sensors is enhanced by the Gill IoT Gateway, allowing remote monitoring and configuration.

Simple configuration of the gateway is achieved with a browser-based UI, so there's no requirement for additional software or hardware.

Designed with the security of customers' networks in mind.

Easy-to-use push-fit connectors for sensor connection included.

Compact, easy-to-mount device.

Gill IoT Platform

Typical applications

- Creation of smart sensing networks within industrial settings.
- Real-time monitoring and alerts for remote applications including wind and solar energy generation.
- Remote sites with a requirement for online sensor data access and alarming.

Key features

- Collects measurement data from sensors and makes them available in the Gill IoT Platform.
- Easy to install and configure, with a number of flexible mounting arrangements.
- Data is cached to accommodate intermittent network conditions.
- Connects to Gill IoT Platform via hard-wired Ethernet for reliability.

Benefits

- Supports remote, regularly scheduled sensor data collection for monitoring and control.
- A single gateway can support multiple sensors on a Modbus RTU network.
- Supports integration of data and alarms from multiple sensors into one dashboard.
- Connects to the Gill IoT Platform to allow visualisation of historic data and trends.
- Remote configuration of the sensor.
- Replaces the operational complexities of traditional dataloggers.
- Supports informed and data driven decision making.

5090-PS-030 Gill IoT Gateway Datasheet Iss 1

Gill IoT Gateway

Datasheet

Connects with Gill IoT Platform for remote sensor monitoring

The Gill IoT Gateway connects compatible Gill sensors with the Gill IoT Platform

ELECTRICAL	
Supply voltage	8–36 VDC, typ. 12 VDC
Over voltage protection limit	-0.3–40 VDC
Power consumption	2–7 W, typ. 3.6 W
Reverse polarity protection (supply)	-40 VDC

MECHANICAL	
Gateway size*	112 x 84 x 25 mm
Enclosure mounting	None or wall/VESA & DIN
Materials (enclosure)	Aluminium (painted)
Weight	0.45 kg (total)
* excluding connectors and antennae	

TEST & REGULATORY STANDARDS	
EMC	EN 55032: 2015 Class B, EN 61000-6-2: 2019, EN 61000-6-3: 2007, FCC part 15b: 2019
Regional markings	CE, FCC
RoHS compliant	Yes

PORTS AND CONNECTIVITY	
Ethernet	2 x RJ45
USB	For maintenance use only
RS-485	1 x 2-wire (half-duplex), screwless terminal block
Communication protocol	Modbus RTU

ENVIRONMENTAL	
Storage temperature	-40°C to +85°C
Operating temperature	-40°C to +80°C

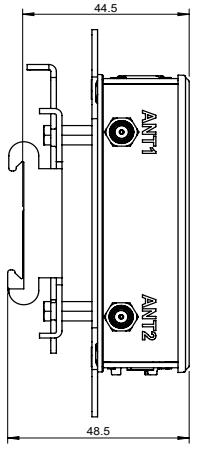
SUPPORTED SENSORS	ORDER CODE
WearDetect Oil Debris Sensor Modbus RTU	4212-PK-151
Further Modbus equipped Gill sensors to follow.	TBC

ORDERING

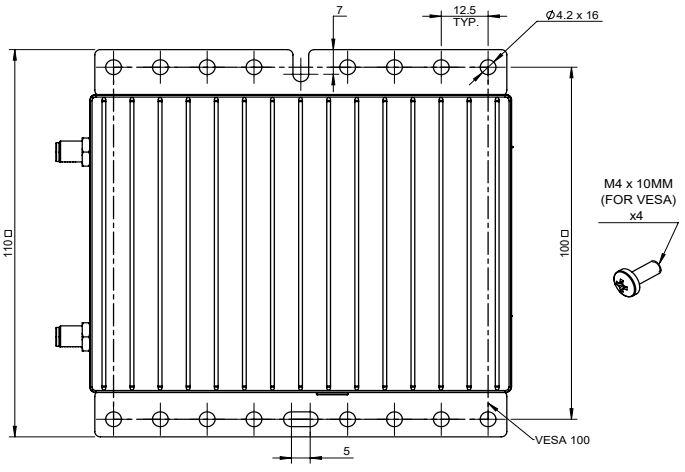
Gill IoT Gateway 5090-PK ☐ ☐ ☐

Part number	Description
026	Gill IoT Gateway base kit
036	Gateway mount accessory
037	Gateway DC terminal block adaptor accessory
326	Gill IoT Gateway with mount and DC terminal block adaptor

DIMENSIONS



DIN RAIL MOUNTING



WALL OR VESA 100 MOUNTING

gillsc.com