

Modbus Data Reader

ProtoGate

Modbus-Cloud Gateway (One-way Communication)

Sales inquiry:

- 9226512312
- 9172012211
- sales@ficussystems.com

www.ficussystems.com





Features

How it Works

The device has on-board hosted configuration webpage. It can configured to connect with different types of industrial devices. Enter required details such as mapping tables for input current/voltage, server URLs, credentials, and other details in the configuration file. Upload the file and reboot the device. For more details, contact us.

Industry

- Metering Energy,
 Water, Oil & Gas etc.)
- Manufacturing
- Others



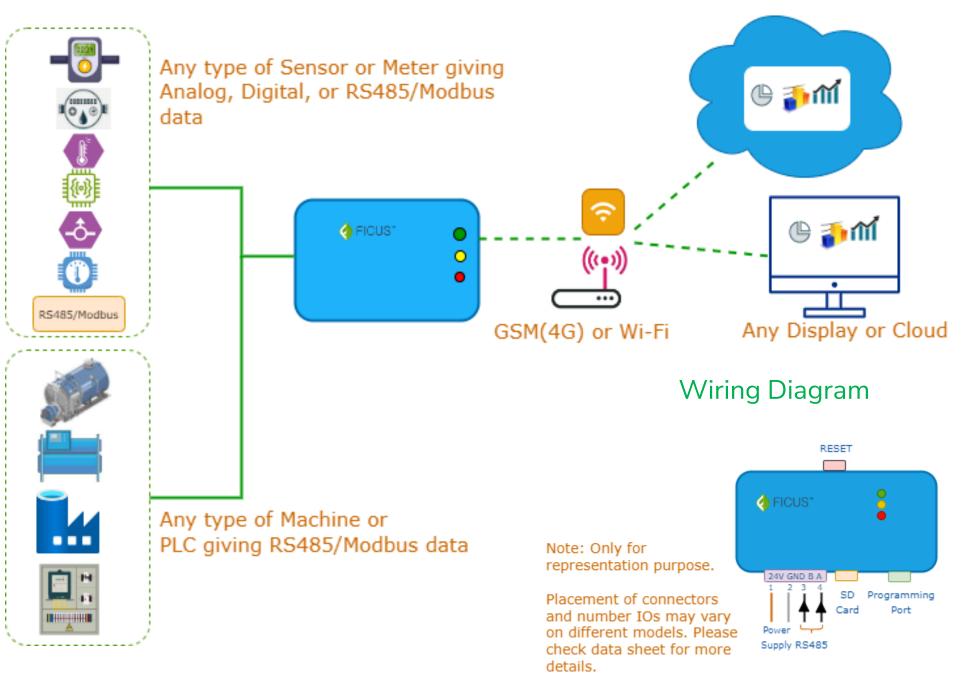
Applications

Suitable for all use cases where you need to read Modbus data from Meters, Sensors, Industrial equipment and send it to cloud/server application.

- Modbus/RS485 data reading from devices such as Energy Meter, Flow Meters, Level sensors etc.
- Cloud Gateway (One-way Communication).
- Data Logging.



Application Architecture





Specifications

IOs

Modbus over RS485

Local Storage

- Onboard SD card (8/16GB)
- Data logging on SD card

Power

DC Input: 24VDC

Configuration

 Device hosted configuration web page (more details in next pages)

Communication

- Cloud Communication
 - Wi-Fi
 - GSM Supports all types of 4G SIM
- Supports Modbus, MQTT, HTTP/S protocol

Other Specifications

- RTC Support
- Server time/NTP time synchronization
- Configurable Time zone
- LFD Indications: 3
- Operating Temp: From $-10^{\circ}C$ to $70^{\circ}C$
- Humidity: 0% 90% non-condensing
- Mounting: DIN Rail & Wall mounting with Screw
- IP Protection: Two form factors,
 - IP 20
- Enclosure: Polycarbonate Transparent Cover and ABS Opaque Base
- Color: Light Grey (RAL 7035)



FICUS:

Configuration Web Page

the browser.



To Open Configuration Web page of the device, connect to its WiFi Hotspot from a mobile, laptop or any other device. Enter credentials to connect to the Wi-Fi. Open 192.168.4.1 on any browser. The configuration web page opens shown in the next

Configuration Page opens in Download Data/Log File from Configuration Webpage

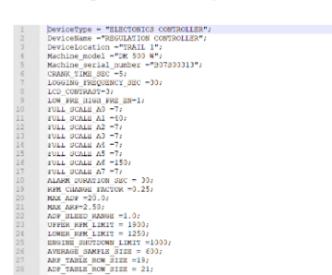
Configuration File can be used for:

1. To configure device parameters such as set/trigger points, Mapping tables, program variables etc.

image.

2. Download Data/Log files.

Configuration File Template



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F	File H	ome	Inse	rt	Page	Layou	t F	ormulas	s Data	. Revie	w View
A1		· :		× ✓		fx	Date				
4	Α	В	С	D	Е	F	G	Н	1	J K	L
1	Date	RPM	oil_pre	coola	batt_	ADP	ADT	operati	warning_a	a total_fuel	_consumed
2	14:43:45;1	0	0	0	0	0	0	0	IGN_DET	0	
3	14:43:51;1	0	0	46	0	0.62	36.4	21.45	IGN_DET	0	
4	14:43:56;1	0	0	46	0	0.59	35.2	21.45	IGN_DET	0	
5	14:44:01;1	0	0.92	46	0	0.6	36.2	21.45	IGN_DET	0	
6	14:44:14;1	0	0	0	0	0	0	0	IGN_DET	0	
7	14:44:19;1	0	0	0	25	0.63	36.7	0	IGN_DET	0	
8	14:44:24;1	0	0	0	25	0.56	36.4	0	IGN_DET	0	
9	14:44:29;1	0	0	0	25	0.62	37.4	0	IGN_DET	0	
10	14:44:34;1	0	0.92	0	26	0.6	36.5	0	IGN_DET	0	
11	14:44:40;1	0	0.92	0	26	0.6	35.4	0	IGN_DET	0	
12	14:44:45;1	0	0.92	46	26	0.6	36.2	0	IGN_DET	0	
13	14:44:50;1	0	0.92	46	26	0.63	36	0	IGN_DET	0	