

## BusLog\_IO\_UNI

### Features

- Modbus-RTU RS485/RS232 Input Port
- Modbus-TCP Ethernet Input Port
- Support Modbus Read & Write
- 4-Digital Input Ports
- 4-Digital Output Ports
- 4G LTE Connectivity
- Wi-Fi Connectivity
- Ethernet Connectivity
- MQTT/TCP/HTTPs Based Cloud Connectivity
- Firmware Update Over The Air (FOTA)
- JSON Formatted Payload Data
- Configuration Via Embedded Web Server
- Connect With any IIOT cloud Server
- Can be configured Remotely
- Internal Memory to Store Data During Network Loss



### Description

SilTech IIOT Controller Model, 'BusLogIO\_UNI' is a Modbus to Input output Controller Device over 4G & Wi-Fi Connectivity. This Device can be connected to any MQTT/TCP/HTTPs Enabled Cloud Server for Remotely Controlling the Digital Input and Output devices. Device sends and receives data using MQTT/TCP/HTTPs Protocol in standard JSON format. Device can be connected to internet via inbuilt 4G-LTE/Wi-Fi connectivity. If Wi-Fi network fails the device automatically switches to 4G service, and in total network failure the device will automatically shift to storage mode in order to store the data. The device provides seamless network connectivity and designed to work 24X7. Furthermore, ensuring thorough robustness, the ABS enclosure along with DIN Rail wall mounting option makes it suitable for any Industrial environment. The device configurations can be accessed or changed anytime over inbuilt webserver feature. It also supports OTA (Over the Air Updates) of Firmware in case if any maintenance and feature updates are required.

## Applications

- Industry 4.0 monitoring and controlling
- Water Flow & level Meter monitoring and controlling
- VFD monitoring and controlling
- Sensors like Temperature, Pressure Data Logging
- DG Monitoring & Data Logging
- Energy Metering and Monitoring
- PLC Data Logging
- Solar Chargers & Inverter Monitoring and Wireless Control

## Specifications

S. No.	Parameter	Specification
1	Input Power Supply	9-24VDC with Reverse Polarity Protection
2	Data Reading/Writing	RS485 Modbus-RTU, Ethernet Modbus TCP, RS232 Modbus-RTU input with ESD protection
3	WI-FI	802.11 b/g/n Wi-Fi functionality
4	GSM + 4G LTE	4G LTE CAT - 1 Module --BAND -B1/B3/B5/B8, B34/B38/B39/B40/B41 2G GSM/GPRS Module --BAND - 850/ 900/ 1800/ 1900MHz , GPRS - Class 12 SIM Card – NANO (inbuilt) (Separately Chargeable)
5	Communication Protocol	MQTT/ TCP/IP/HTTPs Support
6	APN SETTING	Fully automatic APN selection for any network Operator across India/ manual setting using config portal for abroad
7	Indications	Power, Network Led, buzzer sounds for events
8	SMS command & Alerts	Supports SMS command configurations, alerts for setting change (Optional)
9	RTC/Time	Automatic accurate time syncing with Time servers
10	Terminal	Clamp Cage Screw Terminal
11	Dimensions	106 X 48 X 53 mm

## Configuration

‘BusLog\_IO\_UNI’ can be configured locally via Embedded Web Server. The Modbus parameters such as slave ID, baud rate, parity etc. can be configured easily. Up to 100 Modbus tags can be read/write at a time. The input power supply to the device should be 9V - 28V 3A DC. In case of network Failure, ‘BusLog\_IO\_UNI’ will store data into its internal memory and push it to cloud once network is available in FIFO manner.

‘BusLog\_IO\_UNI’ provides practical configurability which can be scaled and implemented to a wide variety of applications. The multi-parameter approach also allows seamless adjustability based on varying sensor requirements alongside key backup (power as well as data) planning, ensuring exhaustive reliability and robustness making it immediately viable for the industrial environment.

### Contact us:

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### Warranty and Support:

- **Warranty:** 1-year limited warranty from the date of purchase.
- For any technical support, reach us at contact@siltech.in

### Certifications and Compliance:

- RoHS Compliant

### Maintenance and Care:

- Clean the Device periodically to avoid dust build up.
- Avoid prolonged exposure to corrosive environments.

### Document Version:

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