



Product Catalogue 2026

Industrial IoT Gateways & Embedded Solutions

4500+

Devices Deployed

30+

Happy Customers

99%

Uptime Guarantee

Bengaluru, India | www.siltech.in | contact@siltech.in

Made in India

Product Overview

#	Product	Description
1	BusLog_4G	4G LTE Modbus gateway with Wi-Fi failover. Connect RS485 devices to any cloud platform with zero data loss.
2	Flow_Telemetry_4G	4G LTE flow telemetry module with AC power. Designed for seamless integration with flow meters.
3	BusLog_IO_UNI	Universal I/O module with Modbus RTU/TCP, Ethernet, 4G, Wi-Fi and 4-DI/4-DO ports for flexible automation.
4	BusLog_Bat	Battery-powered gateway with 10,400mAh battery and deep sleep mode for remote, off-grid monitoring sites.
5	SenseBus_TH	Industrial temperature & humidity sensor with Modbus RTU. $\pm 0.2^{\circ}\text{C}$ temperature and $\pm 1.8\%$ RH accuracy.
6	VoiceBox v2	Versatile audio announcement unit with GSM, 2-way calling, and RS232/TTL for automated alerts and voice prompts.

Quick Selection Guide

Standard Modbus Gateway	BusLog_4G — 4G + WiFi, RS485, 2-DI/2-DO
Flow Meter Integration	Flow_Telemetry_4G — 220V AC, internal Modbus
Advanced I/O Control	BusLog_IO_UNI — 4G + WiFi + Ethernet, 4-DI/4-DO
Remote / Off-Grid Sites	BusLog_Bat — 10,400mAh battery, deep sleep
Temperature & Humidity	SenseBus_TH — $\pm 0.2^{\circ}\text{C}$, Modbus RTU RS485
Voice Announcements	VoiceBox v2 — 160 messages, GSM, 10W speaker

BusLog_4G

4G LTE Industrial IoT Gateway



SilTech IIOT Gateway Model 'BusLog_4G_v2' is a Modbus to 4G & Wi-Fi IIOT Gateway.

This device can be connected to any MQTT/TCP/HTTPS enabled cloud server for data logging purposes.

Device sends data 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 stora...

Key Highlights

- 4G LTE
- WiFi Backup
- Modbus RTU
- 2-DI/2-DO

Specifications

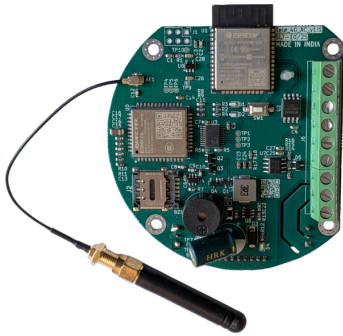
Parameter	Details
Input Power Supply	9-24V DC with Reverse Polarity Protection
Connectivity	4G LTE CAT-1 (B1/B3/B5/B8, B34/B38/B39/B40/B41) + WiFi 802.11 b/g/n
Modbus	RS485 Modbus-RTU input with ESD protection
Digital I/O	2 Digital Inputs, 2 Digital Outputs (Support Vin logic)
Protocols	MQTT, TCP/IP, HTTPS
APN Setting	Fully automatic APN selection for any network operator across India
Indications	Power LED, Network LED, buzzer sounds for events
SMS Commands	Supports SMS command configurations, alerts (Optional)
RTC/Time	Automatic accurate time syncing with Time servers
Terminal	Clamp Cage Screw Terminal
Dimensions	106 × 48 × 53 mm
Enclosure	ABS, DIN Rail mount
Certifications	RoHS Compliant
Warranty	1 Year

Applications

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

Flow_Telemetry_4G

4G Flow Telemetry Module



The Flow Telemetry Module is designed for seamless integration with flow meters and similar industrial instruments. It connects via internal RS485 Modbus RTU and provides 4G LTE and Wi-Fi connectivity for cloud data transmission. The module supports MQTT/TCP protocols with JSON formatted payload and includes internal memory for data storage during network loss. It keeps all existing user ports available for further use.

Key Highlights

- 4G LTE
- 220V AC
- Flow Meters
- Modbus RTU

Specifications

Parameter	Details
Input Power Supply	220V AC operated
Connectivity	4G LTE CAT-1 (B1/B3/B5/B8, B34/B38/B39/B40/B41) + WiFi 802.11 b/g/n
Modbus	RS485 Modbus-RTU input with ESD protection, keeps one RS485 port for user
SIM Card	Micro SIM (2FF)
Protocols	MQTT, TCP/IP
APN Setting	Fully automatic APN selection for any network operator across India
Indications	Power LED, Network LED, buzzer sounds for events
RTC/Time	Automatic accurate time syncing with Time servers
Terminal	Clamp Cage Screw Terminal
Dimensions	82mm diameter (72mm x 74mm fitting)
Certifications	RoHS Compliant
Warranty	1 Year

Applications

- Water flow metering
- Gas flow monitoring
- Utility telemetry
- Industrial flow sensors
- Remote metering stations
- Municipal water systems

BusLog_IO_UNI

Universal I/O Industrial Gateway

SilTech IIOT Controller Model 'BusLog_IO_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. If Wi-Fi network fails, the device automatically switches to 4G service. In total network failure, the...



Key Highlights

- 4G + WiFi + Ethernet
- Modbus RTU/TCP
- 4-DI/4-DO
- Read & Write

Specifications

Parameter	Details
Input Power Supply	9-24V DC with Reverse Polarity Protection
Data Reading/Writing	RS485 Modbus-RTU, Ethernet Modbus TCP, RS232 Modbus-RTU with ESD protection
Connectivity	4G LTE CAT-1 (B1/B3/B5/B8, B34/B38/B39/B40/B41) + WiFi 802.11 b/g/n + Ethernet
Digital I/O	4 Digital Inputs, 4 Digital Outputs
SIM Card	Nano SIM (inbuilt, separately chargeable)
Protocols	MQTT, TCP/IP, HTTPS
APN Setting	Fully automatic APN selection across India / manual for abroad
Indications	Power LED, Network LED, buzzer sounds for events
SMS Commands	Supports SMS command configurations, alerts (Optional)
RTC/Time	Automatic accurate time syncing with Time servers
Terminal	Clamp Cage Screw Terminal
Dimensions	106 × 48 × 53 mm
Enclosure	ABS, DIN Rail mount
Certifications	RoHS Compliant
Warranty	1 Year

Applications

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

BusLog_Bat

Battery-Powered IoT Gateway



The BusLog4G_Bat is a battery-powered IoT gateway designed for remote locations without reliable power. With a 10,400mAh battery with recharge function and intelligent deep sleep mode, it can operate for extended periods. Features 4G LTE and Wi-Fi connectivity with automatic failover, Modbus RTU support, and internal memory for data storage during network loss. Perfect for remote water tanks, agricultural sensors, and solar sites.

Key Highlights

- 10,400mAh Battery
- 4G LTE
- Deep Sleep
- Modbus RTU

Specifications

Parameter	Details
Input Power Supply	Battery powered 10,400mAh with recharge function
Connectivity	4G LTE CAT-1 (B1/B3/B5/B8, B34/B38/B39/B40/B41) + WiFi 802.11 b/g/n
Modbus	RS485 Modbus-RTU input with ESD protection
Sleep Mode	Inbuilt Sleep Mode for Power Saving
Data Storage	Internal memory for offline storage with auto resume upload
SIM Card	Micro SIM (2FF)
Protocols	MQTT, TCP/IP
APN Setting	Fully automatic APN selection for any network operator across India
Indications	Power LED, Network LED, buzzer sounds for events
RTC/Time	Automatic accurate time syncing with Time servers
Terminal	Clamp Cage Screw Terminal
Dimensions	106 × 48 × 53 mm
Enclosure	ABS, DIN Rail mount
Certifications	RoHS Compliant
Warranty	1 Year

Applications

- Remote water tank monitoring
- Agricultural sensor networks
- Solar site monitoring
- Off-grid environmental monitoring
- Pipeline monitoring
- Remote asset tracking

SenseBus_TH

Industrial Temperature & Humidity Sensor

SilTech's IIOT Sensor "SenseBus_TH" is designed for industrial use, offering precise and reliable temperature and humidity measurements. It operates on the Modbus RTU communication protocol, enabling easy integration into automation systems and SCADA networks. The sensor measures ambient temperature and humidity and transmits real-time data with a resolution of $\Delta T = \pm 0.2^\circ\text{C}$ and $\Delta RH = \pm 1.8\% \text{ RH}$. Its rugged housing ensures durability in harsh en...



Key Highlights

- $\pm 0.2^\circ\text{C}$ Accuracy
- $\pm 1.8\% \text{ RH}$
- Modbus RTU
- RS485

Specifications

Parameter	Details
Sensor Type	Digital Temperature & Humidity
Temperature Range	-40°C to 125°C
Temperature Accuracy	$\pm 0.2^\circ\text{C}$
Humidity Range	0-95% RH (non-condensing)
Humidity Accuracy	$\pm 1.8\% \text{ RH}$
Power Supply	5-24V DC
Current Consumption	< 10mA at 24V DC
Communication	Modbus RTU over RS485
Baud Rate	Selectable: 2400/4800/9600/115200
Response Time	< 5 seconds
Housing Material	ABS plastic
Dimensions	65 x 46 x 29 mm (L x W x H)
Mounting	Standard DIN Rail, Wall or Panel mountable
Terminal	Pluggable Screw Terminal - Clamp Cage Type
Certifications	RoHS Compliant
Warranty	1 Year

Applications

- HVAC Systems
- Cold Storages
- Large scale chillers
- Green Houses Monitoring
- Building Management Systems
- Energy Management Systems
- Industrial Automation
- Industry 4.0 Monitoring

VoiceBox v2

Industrial Voice Announcement System



The VoiceBox is a versatile audio announcement unit designed for integration into industrial, automotive, and public information systems. It receives predefined voice codes via RS232/TTL communication and plays corresponding stored audio messages. With OTA (Over-the-Air) update support, rugged construction, and multiple language capability, the VoiceBox is built for reliable performance in demanding environments. Features integrated 10W speaker...

Key Highlights

- 160 Messages
- GSM Calling
- 10W Speaker
- OTA Updates

Specifications

Parameter	Details
Input Power Supply	7-40V DC (Min 500mA - Max 2A)
Communication	Selectable between RS232 Serial or TTL UART with configurable baud rate
Audio Capacity	160 audio files
Total Audio Storage	2000 seconds
File Size Limit	96 KB per Audio (customizable)
Audio Format	8-bit mono WAV, 8 kHz
Playback Control	Triggered by predefined voice codes
SIM Slot	Nano SIM with Mechanical Lock
SMS Commands	Supports SMS command for configurations and alerts
Audio Output	3-inch, 4Ω, 10W speaker with integrated amplifier
Terminal	Clamp Cage Screw Terminal
Enclosure	ABS plastic, black
Dimensions	95 × 90 × 80 mm
Mounting	Bottom mounting with Base Plate / Panel mounting with Socket and screw
Weight	200g
Certifications	RoHS Compliant
Warranty	1 Year

Applications

- Industrial safety alerts, process status messages
- Fire Alarms, smoke detectors announcements
- Automation process guidance and control prompts
- Logistics fleet and asset management announcements
- Security access control and intrusion alerts
- Assistive Technology voice guidance systems
- Public Information kiosk and announcement systems
- Automotive ADAS and driver assistance voice prompts
- Remote Monitoring and Control
- Hospital safety announcements



Get in Touch

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Our Services

- Custom IoT Gateway Development
 - Cloud Platform Integration
 - Industrial Automation Solutions
- OEM & White-Label Manufacturing

Made in India

Engineering Excellence from Bengaluru