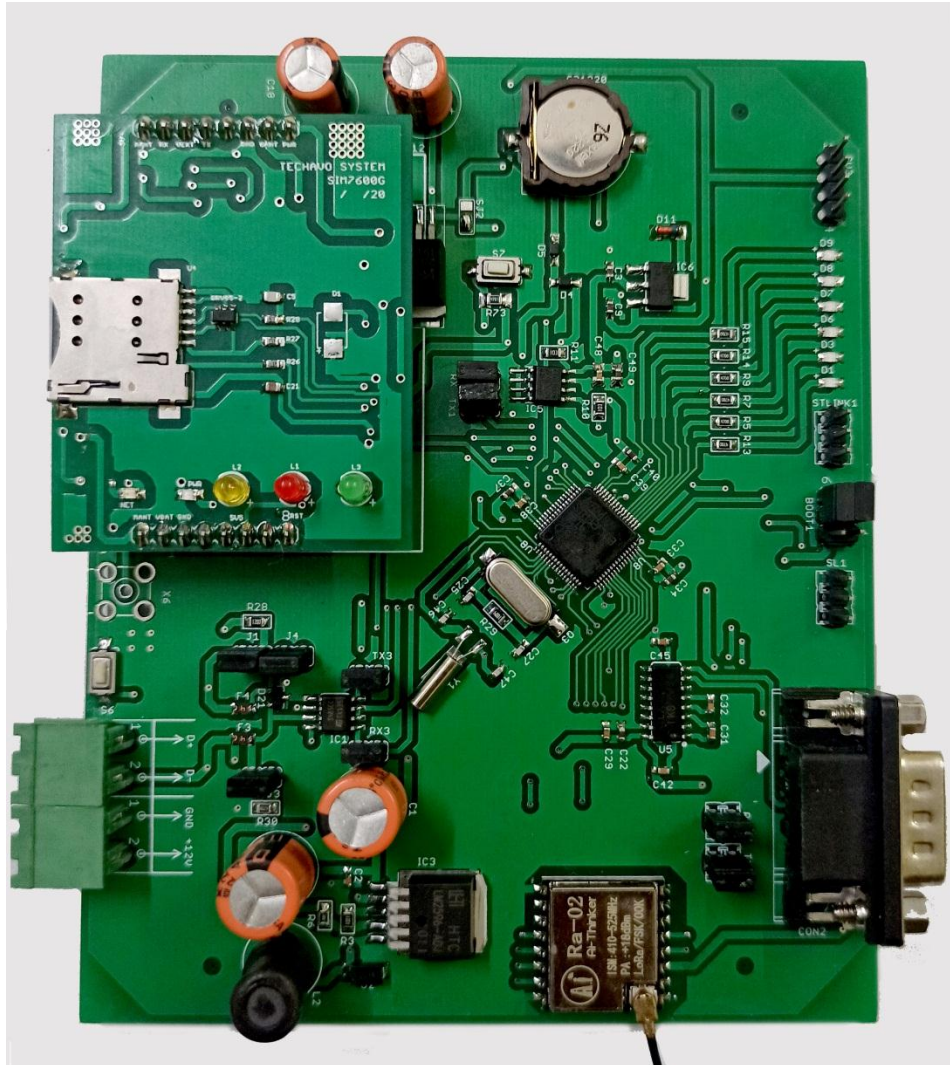


# Techavo Systems

We Engineer Your Dreams

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## 4G Lora Gateway

Model: TSFTW1000

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Techavo Systems

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## Introduction

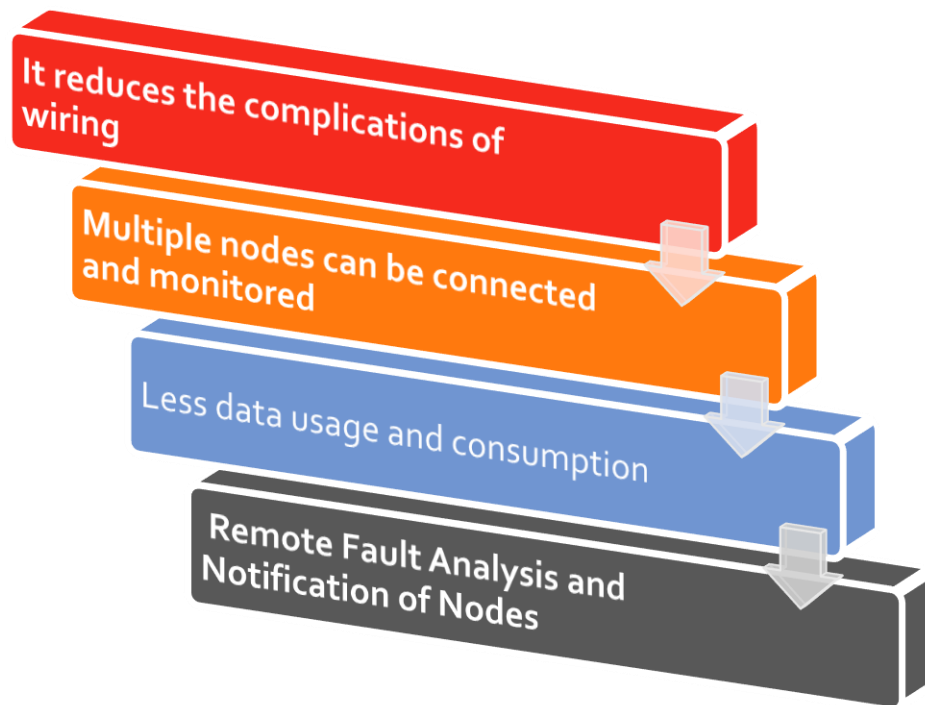
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This 4G Lora Gateway is the latest Lora technology for industrial internet of things solutions. It can support up to 100 nodes of data transmission and reception and can upload the data to the cloud. It lets you bridge LoRa wireless network to an IP network via WiFi, Ethernet, 3G or 4G.

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## Benefits

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## Features:

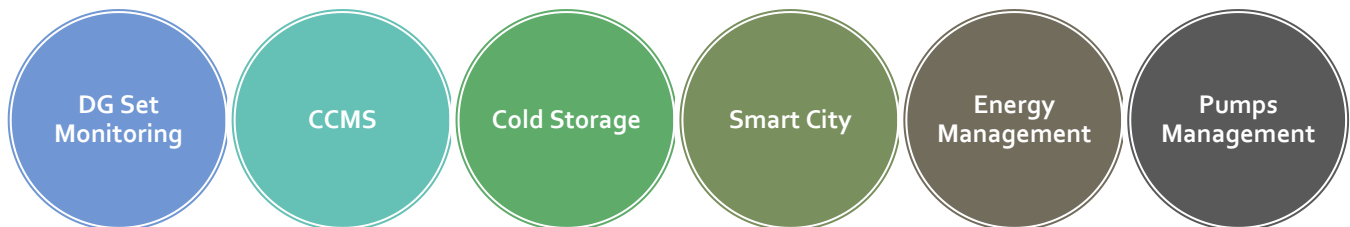
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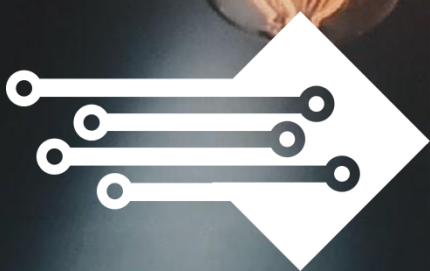
- Intelligent Modbus, IO, Data Logger, 2G,4G GPRS/WiFi/Lora Connectivity
- 1 x RS-485 port for RTU Modbus, 1x RS232 port for HMI, TTL for Configuration
- Embedded ARM® Cortex™-M4 32 Bit RISC Core, 168 MHz inside, RTOS system, reliable performance with in-built watchdog;
- Wide range power supply 9~36VDC with over voltage and phase-reversal protection;
- Upto 100 nodes can be monitored and controlled
- Configure and Read Multiple Slave IDs Upto 30, Selectable Register Address data upto 30.
- Parameter Data type, Byte Swapping Conversion and Scaling factor enabled.
- Transparent Modbus or Device Inbuilt Polling – Formatted to (ASCII/HEX/RawHEX)
- Smart Inbuilt Data Logger works during Network and Server Disconnection
- Logger Sends offline data once Network and Server Connected
- Upto 6 Authorized numbers list for command and Configuring.
- Configurable TCP/Http/MQTT/Https Mode, GET/POST Methods
- Configurable CSV/JSON Format for Parameter Packetization
- Remote Configuration through SMS/GPRS/Server IP Commands
- Alerts: Power Failure Restore, Low battery Shutdown, Digital IN Changes, Device Reset.
- OTA (Over The Air) Firmware upgrade, Device Configuration update.
- LED & LCD indicators to provide GSM, GPRS, Signal, Modbus Tx/Rx COM Status.
- Configurable Server Connection: Connects on Demand or Always Connected.
- Keep Alive command to maintain socket connection

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## Area of Usage

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## About Us

Incepted in the year of 2014, Techavo Systems are the leading designer, manufacturer and wholesaler of IoT based Products, Meters, Data Logger, Solar Chargers. Techavo provides Custom Electronic Design, PCB Design, Embedded Systems Design.