

# IOT-Gateway WRMS-03 – V2

**WHIRLYBIRD**

Industrial Grade ARM-based Smart Wireless IoT Gateway Device



## Key Features

- Industrial grade ARM-Cortex based IoT Gateway
- Compact size, designed for industrial application
- 512MB RAM, 512 MB Storage
- 3G/4G LTE Modem
- Wide temperature range operating from -20°C to 70°C

## Introduction

WRMS-03-V2, is a low footprint MODBUS RTU to 4G Gateway. The industrial nature of WRMS-02 means it is in compliance with common industrial certifications such as CE/FCC, shock and vibration. The device can collect data from slaves, sensors or industrial machines.

Communication wise, WRMS-02 has a SIM holder allowing it to transmit acquired data and system status via 4G.

Gateway has OTA (Over The Air) feature for firmware upgrade, device configuration updates.

There are LED indicators to for GSM signal, Modbus TX/RX COM Status.

## Specifications

System Core	
Processor	ARM Cortex
Memory	32 KB SRAM, 256 KB Flash
Data Logging Flash	64 MB
Power Supply	12V-24V DC, 2Amps
I/O Interface	
COM Port	1x RS485
SIM Card	1x external sim socket
Antenna	1x GSM
Config Port	1x RS232 (3PIN RMC to DB9)
Power Supply	5mm power supply socket
Frequency Band	
GSM	850/900/1800/1900 MHz
LoRa	868 MHz

Software	
Operating System	Proprietary OS
Mechanical	
Weight	<0.1 Kg
Mounting	DIN-rail or Desktop
Environmental	
Operating Temperature	-20°C to 70°C
Vibration	5 Gms
Shock	50 Gms
EMC	CE/FCC Class A, according to EN 55032
LTE Band	
FDD	B1/B2/B3/B4/B5/B7/B8/B28/B66
TDD	B34/B38/B39/B40/B41

