

# IOT-Gateway WRMS-03

**WHIRLYBIRD**

Industrial Grade ARM-based Smart Wireless IoT Gateway Device with 4xCortex-A7 CPU-core and Pre-installed Linux



## Key Features

- Industrial grade ARM-based IOT-Gateway with pre-installed Linux
- Compact size, designed for Industrial application
- 512 MB Storage
- 3G/4G LTE Modem
- Wide temperature range operating from -20°C to 70°C

## Introduction

WRMS-03, is a low footprint Gateway which is a Linux based general purpose IOT Gateway. The industrial nature of WRMS-03 means it is in compliance with common industrial certifications such as CE/FCC, shock and vibration. DIN-rail installation Compatible GSM/GPRS/3G/4G LTE full band & frequency. It has one configurable COM port (RS485). There is internal backup in the Gateway for providing device status and graceful shutdown in case of longer power cut.

Embedded Real Time Clock (RTC) circuit which can realize timing online/offline function.

Communication wise, WRMS-03 has a USIM holder allowing it to transmit acquired data and system status via 4G.

Gateway also has four (4) ports to connect environmental sensors such as Pyranometer, Module Temperature, Anemometer & ATRH.

## Specifications

System Core		Software	
Processor	Allwinner H2+	Operating System	Linux
Memory	512MB SDRAM	<b>Mechanical</b>	
Power Supply	12V, 2Amps	Weight	0.16 Kg
<b>Front Panel I/O Interface</b>		Mounting	DIN-rail
Ethernet	1x 10/100 Ethernet	<b>Environmental</b>	
SIM Card	1x sim socket	Operating Temperature	-20°C to 55°C
Antenna	1x GSM	Vibration	5 Gms
<b>Bottom panel interface</b>		Shock	50 Gms
COM Port	1x RS485	EMC	CE/FCC Class A, according to EN 55032
Power Supply	5mm power supply socket	Ingress Protection	IP45
Other Interfaces	4x Analog/Digital to Modbus		

