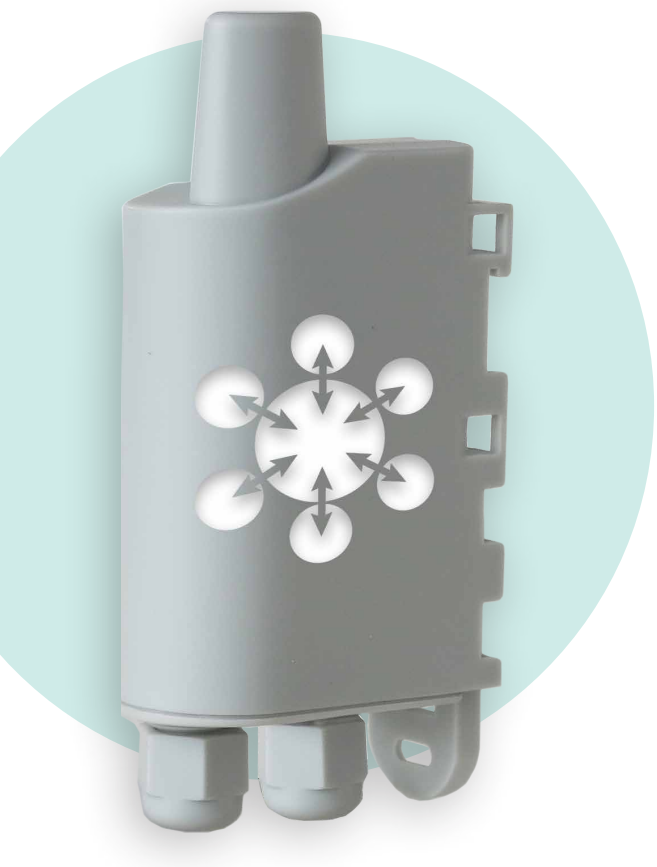
US902-928 / AS923

MODBUS

adeunis
IOT PRODUCTS & SOLUTIONS

Query, write and read one or more registers on one or more Modbus slaves.



ALERT

Report faults and alerts from MODBUS slaves :

- Min/max thresholds

MEASURE

Provide feedback about measuring data from Modbus slaves

ACT

- Read a slave's registers from the network
- Write to a slave's registry from the network

Additional features:

- **Periodic transmission** (up to 6 frames with different frequencies)
- **Slave management:** read and write
- **Error/fault management:** product error warning, configuration error
- **Alarm repetition** in case of persistent event
- **Indicator lights** for installation assistance

Make your thermal energy meters communicate.

Broadcast information on PLC.

TECHNICAL SPECIFICATIONS

LoRaWAN US915 ARF8240BA | LoRaWAN AS923 ARF8240JA

Mechanical specifications	
Weight	70 g
Dimensions	105 x 50 x 27 mm
Enclosure	IP67, EMERGE™ PC 8731HH grey resin (casing), EMERGE™ PC 8430-15 transparent resin (sole)
Fixations	DIN Rail, Tube, Wall, Collar
Cable length	2 cable of 6 wires (70 cm + 10 stripped wire)
Modbus Protocol	Remote Terminal Unit (RTU)
Operating conditions	
Temperature	-25°C / +70°C
Humidity	0 to 85% RH (non-condensing)
Device Power Supply	
Alimentation	External supply 6-30V continuous
Slave supply management	Monitor the supply of the slave
Current max returned to the sensor	500 mA
Device configuration	
Local device configuration	IoT Configurator
Test Read and Write into slaves	Advanced mode of the IoT Configuration
Remote device configuration	Downlink through network and KARE platform
Security	PIN/PUK Code protection
Radio/Wireless	
Supported regions	LoRaWAN US902-928 / LoRaWAN AS923
Wireless Security	AES-128 data encryption
LoRaWAN Class	Class A or C
Supported LoRaWAN features	OTAA, ABP, ADR, adaptive channel setup
RF transmit power	LoRaWAN US902-928: +18 dBm LoRaWAN AS923: +16 dBm
Sensitivity	-135 dBm LoRaWAN @SF12
Regulations and certifications	
Standard	AUS/NZ: IEC 62368-1(safety) / AS/NZS 4268:2012 US: FCC- Title 47 CFR Part 15 CANADA: RSS-247 Issue 2

RS232 Link	
Signals	RX, TX, Ground (RTC and CTS are not handled)
Voltage of inputs/outputs	+/- 5V typ, +/- 15V max
RS485 Link	
Signals	TX-, RX-, RX+; TX+, Ground
Voltages on inputs/outputs	+/- 1.5V typ, 3V differential
Polarization resistors	560 Ohms
Termination resistor	120 Ohms