ACW-DINRSM
Modbus master gateway

SMART INDUSTRY – SMART BUILDING – GATEWAY MODBUS

atim cloud wireless™
PRODUCT LINE

Networks

Sigfox™

LoRaWan®

Gateway Modbus / LPWAN

Performances

Range: up to 15km

Autonomy

External power

Divers

Configuration by USB

Configuration by downlink

SMS et Emails alerts

Web and mobile interfaces

As a master Modbus modem, the ACW-DIN-RSM can retrieve data from one or more Modbus devices and send them to an LPWAN network (Sigfox or LoRaWAN).

The ACW-DIN-RSM is commonly used behind PLCs or measurement acquisition systems: electricity meters, weather station, sensors, etc ... Four Modbus read function codes are supported: from 0x01 to 0x04.

Writing function is available on LoRa device.
<u>LoRaWAN class C.</u>

Able to transmit **49 Modbus requests**, up to 49 different devices can be addressed. The collected data can be transmitted on 6 frames/hour on Sigfox, or on 15 frames/hour on LoRaWAN network.
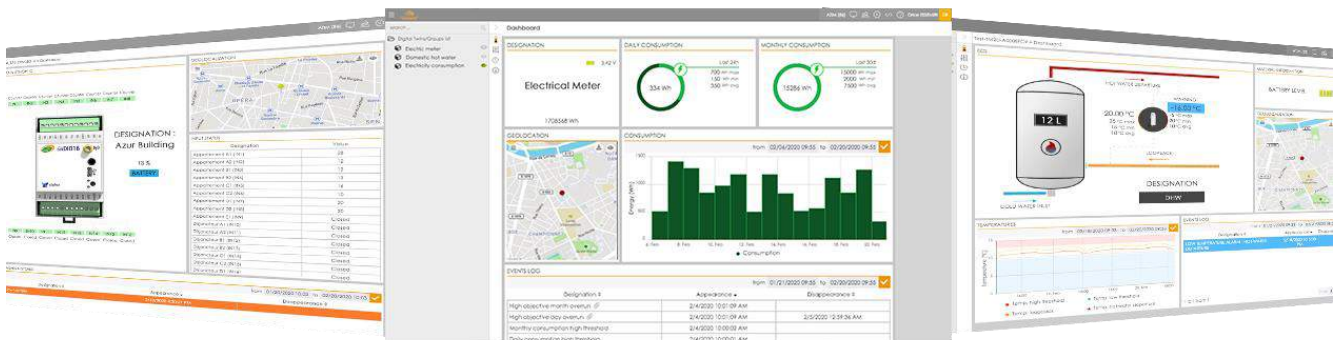
Technical features

Dimensions	90 x 57 x 17.9 mm
Antenna	External antenna by SMA connector
Temperature	-20°C to +55°C (operating mode) -40°C to +70°C (storage)
Mounts to	DIN Rail
Housing	DIN Rail compliant
Power supply	External power supply, 10-30Vcc
Frequency	865 – 870 MHz
Power	25mW (14 dBm)
Rate	Sigfox: 100 bps
	LoRaWAN: 300 bit/s to 10 kbit/s

Consumption (24 V)	Sigfox	LoRaWAN
Tx Mode	40 mA	25 mA
Rx Mode	30 mA	10 mA

References

- ACW/LW8-DINRSM
  Version LoRaWAN

- ACW/SF8-DINRSM
  Version Sigfox

ATIM Cloud Wireless™ Platform (option)

Control all your ATIM devices using Sigfox and LoRa on the same secured Web platform!
Manage and operate your IoT data very easily.
Thanks to new LPWAN networks, device remote management is simple and accessible to anyone.

Managing the products by groups	Emails & SMS alerts	Products geolocation
Real time visualisation	Secured API	Personalization: white label
Signal quality	Export your data	Downlinks
Mobile app	On-call management	

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