

ACR-CV-101L-I4-D
4x S0 input to LoRaWAN battery powered
General specification

Dimensions:	145 x 90 x 55 mm
Weight:	336 g with single battery / 475g with double battery
IP rating	IP65
Mounting	6 fixation points for mounting to the wall, tube or collar
Mounting holes	4x M4 pan screw and 2x oval hole for zip-tie fixation
HS code:	85269200

Operating conditions

Operational temperature:	-30 to +60 °C
Humidity:	0 to 85% RH (non-condensing)

Regulations and certifications

Standard	CE, RoHS
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Device configuration

Local device configuration	Over the cable via ACR-CONFIG and the configuration app
Remote device configuration	Downlink via network
FUOTA support	Yes
Configuration options	Configuration via LUA scripting interface

LoRaWAN

LoRaWAN specification	1.0.3
Registration method	OTAA by default, ABP configurable
Class	A by default, B and C configurable
Frequency	EU868
TX Power	12.7 dBm
Maximum payload length	51B uplink/downlink and up to 235B uplink/downlink

**dependant on the network and spreading factor*

S0 interface

A number of inputs:	4
Impulse counter:	32 bits = 4 294 967 295 pulses
Minimum pulse duration (ms):	30
Maximum input voltage (V):	24
Maximum pulse frequency (Hz):	33
Logical 1 range (V):	More than 2 (up to 24)
Logical 0 range (V):	Less than 1
Closed mechanical contact:	Resistance < 100kΩ
Open mechanical contact:	Resistance > 200MΩ
ESD rating:	16kV per Human Body Model
Connector	Euroclamp 2-piece connector with Philips screws
Auxiliary power supply	3.3V DC
Functionality	Message buffering, wake up on input change

Battery specifications

Battery size	D-Cell / double D-Cell
Capacity	19 000 mAh / 38 000 mAh
Self-discharge	<1%
Rechargeable	No
Replacable	Yes
Battery connector	JST-XH 2pin

Packaging

1x S0 to LoRaWAN converter	1x installation manual
1x Battery	1x LoRaWAN 2JW0315-868-C675 antenna

Optional accessories

ACR-CONFIG	Configuration cable
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Ordering codes

ACR-CV-101L-I4-D	S0 to LoRaWAN single battery pack
ACR-CV-101L-I4-D2	S0 to LoRaWAN double battery pack