

RS-485 to LoRaWAN IoT converter

ACR-CV-101L-R-D

ACR-CV-101L-R-D2

ACR-CV-101L-R12-D

ACR-CV-101L-R12-D2

The RS-485 to LoRaWAN or NB-IoT converter finds its application mainly in the reading of specific devices and communication through proprietary protocols. The converter is widely used in the digitization of production plants and data collection from pumps, cams, and others.

Key selling points:

- Readings of up to 128UL
- Master or Slave device type
- Communication speed 1 200 - 115 200 Bd
- LUA scripting interface
- D-cell 17 000 mAh battery
- Long battery life of up to 10 years
- Supported protocols are Modbus RTU, Modbus ASCII, Profibus DP



RS-485 interface	
Device type:	Master or Slave
Communication speed:	1 200 - 115 200 Bd
Maximum connected devices:	128 UL (Unit Loads. 1UL = 1.5 mA)
RS-485 protocol:	Modbus RTU, Modbus ASCII, Profibus DP
LPWAN communication	
LoRaWAN	1.0.1
Registration method:	OTAA or ABP
Frequency:	868MHz, other on request
TX Power:	12,7dBm
Configuration:	Over the cable via GUI or downlinks
General information	
Battery capacity:	17 000 mAh
RS-485 bus power supply	12V – optional in R12 version
IP coverage:	IP65
Dimensions:	145 x 90 x 55 mm
Operational temperature:	-30 °C to +60 °C
Weight:	250 g
Mounting:	Wall / Pole
HS code	85269200