ACR-CV-101N-M-EAC — M-Bus to NB-IoT externally powered

Mechanical specification	
Dimensions:	145 x 90 x 55 mm
Weight:	166 g
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

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

Regulations and certifications	
Standard	CE, RoHS

Device configuration	
Local device configuration	Over the cable via ACR-CONFIG and the configuration app
Remote device configuration	Downlink via network or ACRIOS backend
FUOTA support	Yes, over the NB-IoT network
Configuration options	Configuration via LUA scripting interface

NB-IoT	
Bands	B1, B3, B5, B8, B20, B28
NB module	SIM 7020E
Supported protocols	UDP
Antenna	External
TX Power	23 dBm
SIM form factor	3FF, chip SIM on demand
Supported NB-IoT features	PSM, eDRX
Maximum payload length	512 B uplink, 1024B downlink*

might be dependant on the network. Tested with Vodafone network

M-Bus interface	
Communication protocol	M-Bus EN 13757-3
Physical layer	M-Bus EN 13757-2
Device type	Master
Communication speed	300 - 9600 Bd
Maximum connected devices	5 UL or 7.5 mA
Compatibility	Any meter with M-Bus interface
Functionality	Transparent mode, VIF/DIF filtering, secondary addressing, primary addressing, wildcards, broadcast polling
Connector	WAGO 2604 CAGE CLAMP®

Device power supply	
Voltage	85 - 305 V AC
Frequency	47 - 63 Hz
Energy consumption	Max 4 W
Connector	WAGO 2604 CAGE CLAMP®

Packaging	
1x M-Bus to NB-IoT converter	1x installation manual
1x NB-IoT 2JW1024 antenna; 4G LTE	
Optional accessories	
ACR-CONFIG	Configuration cable
Ordering codes	
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