

# VEGA M-BUS-1 CONVERTER M-BUS <-> LORAWAN® DATASHEET

## DEVICE SPECIFICATION

MAIN	
M-BUS interface	1
Quantity of connecting M-BUS devices	up to 10
Security inputs	2
'Open-drain' outputs	2
USB-port	mini-USB, type B
Operating temperatures	-40...+85 °C
LORAWAN®	
LoRaWAN® class	A or C
LoRaWAN® channels	16
Frequency plans supported by default	RU868, EU868, KZ865, custom (EU868 based)
Frequency plans available as order option	IN865, AS923, AU915, KR920, US915
Activation type	ABP or OTAA
Communication period	5, 15, 30 minutes, 1, 6, 12 or 24
Data collection period	5, 15, 30 minutes, 1, 6, 12 or 24
Memory amount for storing packets	100 packets
Antenna connector	SMA
Sensitivity	-138 dBm
Radio coverage in restrained urban conditions	max 5 km
Radio coverage within line of sight	max 15 km
Transmitter power by default	25 mW (configurable)
POWER	
Built-in battery	6400 mAh 3.6V
External power supply	10...36 V
Calculated number of packets sent by the device with default settings	15 000
CASE	
Device dimensions	93 x 78 x 66 mm
Ingress protection rating	IP65

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Mounting	clamp fastening to the support, DIN-rail, wall-mounting
<b>PACKAGE</b>	
Dimensions	140 x 80 x 85 mm
Weight	0.271 kg

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**DEFAULT DEVICE SETTINGS**

PARAMETER	VALUE
Frequency plan	RU868
Activation type	OTAA
Adaptive Data Rate	ON
Confirmed Uplinks	OFF
Rx 1 Delay	1 second
Join Accept Delay	5 seconds
Uplink number of transmissions	1
Data rate	DR0
Power	14 dBm
Communication period	24 hours
Data collection period	24 hours
Time zone	UTC +00:00

For changing the device settings, you need to connect to it with “Vega LoRaWAN Configurator” application. You can download app on the [iotvega.com](https://iotvega.com) site in SOFT section as well as User Manual for configurator. [Go to the app page.](#)