

Engelmann Connect

# ComStar

Data collector for wireless M-Bus devices



Data center with open system according to wireless M-Bus, OMS and LoRaWAN

Flexible reception of all wireless M-Bus-compliant devices

Versatile use as up to 2,500 devices can be processed

Lithium battery with typical capacity of 12 years of operation and 1 year of storage

Flexible in use – strong in performance! With the Engelmann ComStar, you're perfectly equipped for the digital future of consumption data recording.

The **ComStar** is a battery-operated data collector for easy remote reading of wireless M-Bus devices for consumption data recording. Thanks to its wide range of configuration options, it can be individually tailored to your needs and fits seamlessly into your system landscape. Its modularity is impressive and allows you to use the **ComStar** independently of the system.



## Features

- Data collector for easy remote readout
- Installation mode – success control directly on site
- Flexible setting of transmission and collect times
- Remote parameterization
- Independent on-site installation due to battery operation
- High number of devices in reception: up to 2,500 units
- Lithium battery with typical capacity of up to 12 years of operation and 1 year of storage

## General data

<b>Interfaces (standard)</b>	wireless M-Bus (data collection) 4G LTE-M (data forwarding, firmware update) LoRaWAN (data forwarding, firmware update)
<b>Antennas wM-Bus / 4G / LoRaWAN</b>	internal, optional: external antenna, can be retrofitted in the field
<b>Configuration</b>	MQTT / LoRaWAN
<b>Data storage</b>	read-only memory
<b>Filter</b>	whitelist for searched devices blacklist for unwanted devices
<b>Data format forwarding</b>	RAW
<b>Data transmission</b>	MQTT (standard) LoRaWAN (adjustable)
<b>Protection class</b>	IP65

## Power supply

<b>Lithium battery</b>	with typical capacity of up to 12 years of operation and 1 year of storage	
<b>Battery supply (standard)</b>	Ah	19; lithium battery
<b>Double pack (optional)</b>	Ah	38; lithium battery

**wireless M-Bus**

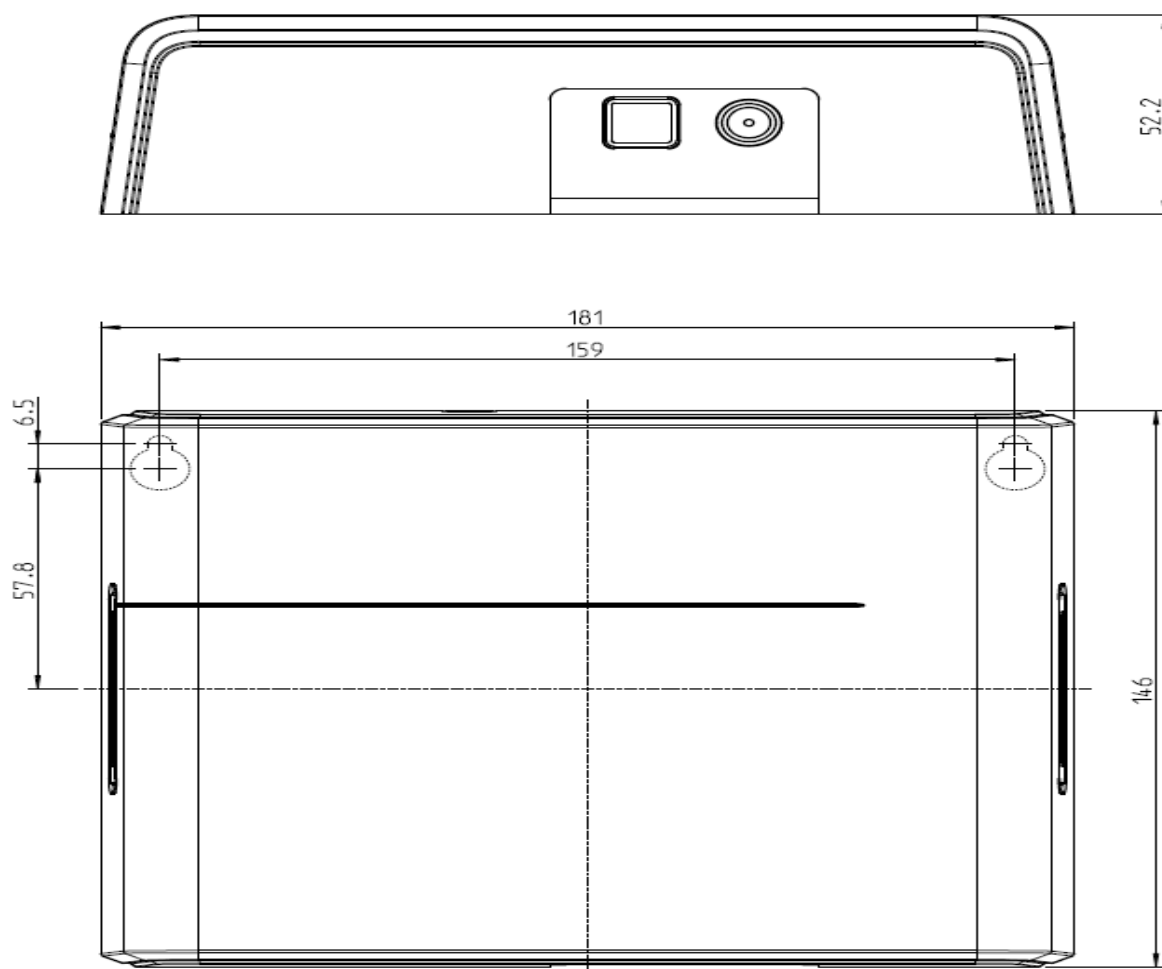
Operating frequency	MHz	868
Protocol		wireless M-Bus in accordance with EN 13757-3,-4
Optional operating mode		C1 / T1 S1

**4 G LTE-M**

Frequency bands	MHz	700 – 2000 LTE band
SIM card slot		mini-SIM, size 2FF
Output power	dBm	23
Sensitivity	dBm	-108

**Weights**

Gateway (standard version, without batteries)	kg	0.329 + packaging
Battery (standard)	kg	0.122 + packaging
Double pack (optional)	kg	0.222 + packaging



### Contact us here:



+49 6222 98 00 188 (Orders)  
+49 6222 98 00 2727 (Technical Service)  
+49 6222 98 00 0 (Head Office)



[info@engelmann.de](mailto:info@engelmann.de)



Engelmann Sensor GmbH  
Rudolf-Diesel-Straße 24-28  
69168 Wiesloch-Baiertal  
Germany



[www.engelmann.de](http://www.engelmann.de)