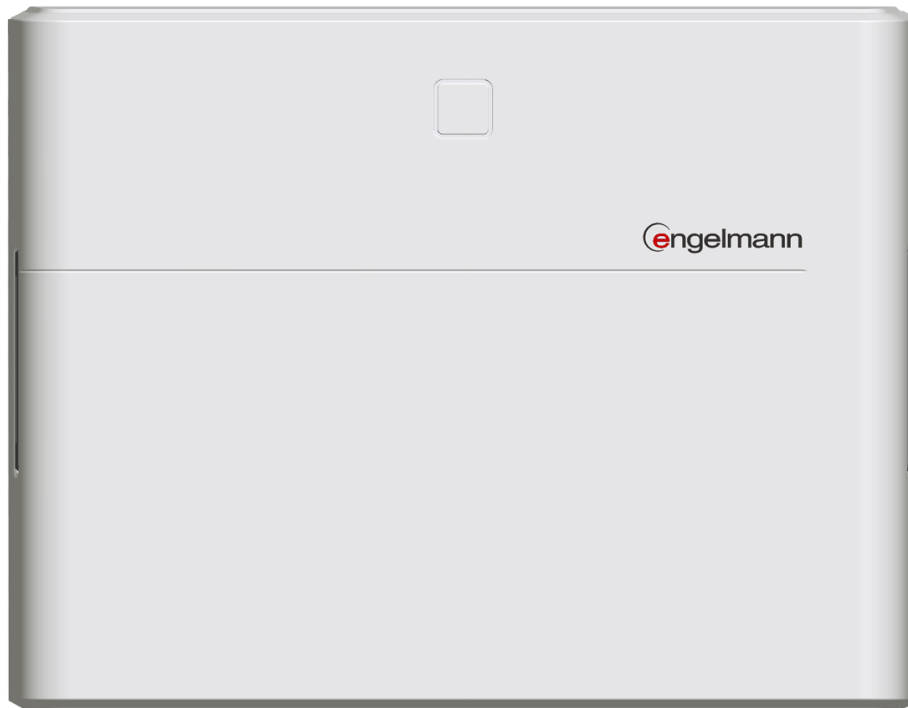


Engelmann Connect

Gateway Ethernet



- **Data center with open system, according to wireless M-Bus and OMS**
- **Number of devices: 1500**
- **High density wireless M-Bus receiver (LTE disturbance filter)**
- **Compatible with all Engelmann wireless M-Bus radio devices**
- **Data transmission: Adjustable interval mode (Minimum 10 minutes)**

Technical Data:

Gateway

Interfaces (standard)	Ethernet	(FTP-Upload, Configuration);
	USB	(configuration);
	wireless M-Bus	(data collect)
Antenna wireless M-Bus	internal;	optional: external antenna, field- mountable
Configuration	configuration software "Device Monitor"	
Number of devices	1500	
Data storage	non-volatile FLASH memory	
Filter	whitelist for desired devices (wildcard possible); blacklist for not-desired devices (wildcard possible)	
Output file format	CSV; XML; RAW	
Data transmission	FTP-Upload	
AMR software (optional)	automated data preparation: merges multiple input files; filter of double datasets;	
Ambient temperature	°C	-20 bis 40
Protection class	IP20	
Fire protection class	V-0 according to UL 94	

Power supply

Power-over-Ethernet supply for monitoring and submetering	V	5
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Wireless M-Bus

Frequency	MHz	868
Protocol		wireless M-Bus according to EN 13757-3, -4
Selectable modes		T1/C1; T1; C1; S1
Telegrams		short telegram for AMR (according to OMS 2.0.0, 3.0.1, 4.0.2); long telegram for walk-by read-out
Encryption		AES: Advanced Encryption Standard; 128 bit: key length

Ethernet

Physical / data link layer		According to standard Ethernet norms (IEEE802.3 (general Ethernet with CSMA/CA); IEEE802.3i (10BASE-T; 10Mbit); IEEE802.3u (Fast Ethernet; 100 Mbit))
Network layer		IPv4 according to RFC 791
Connection jack		RJ45 Standard (8-PIN MagJack)
Standard PoE		According to IEEE802.3af
Auto negotiation		supported (10/100Mbit)
Auto MDIX		NOT supported

Weights

Gateway Ethernet (standard)	kg	0,580 + packaging
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Dimensions

H x B x T	mm	250 x 194 x 42
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