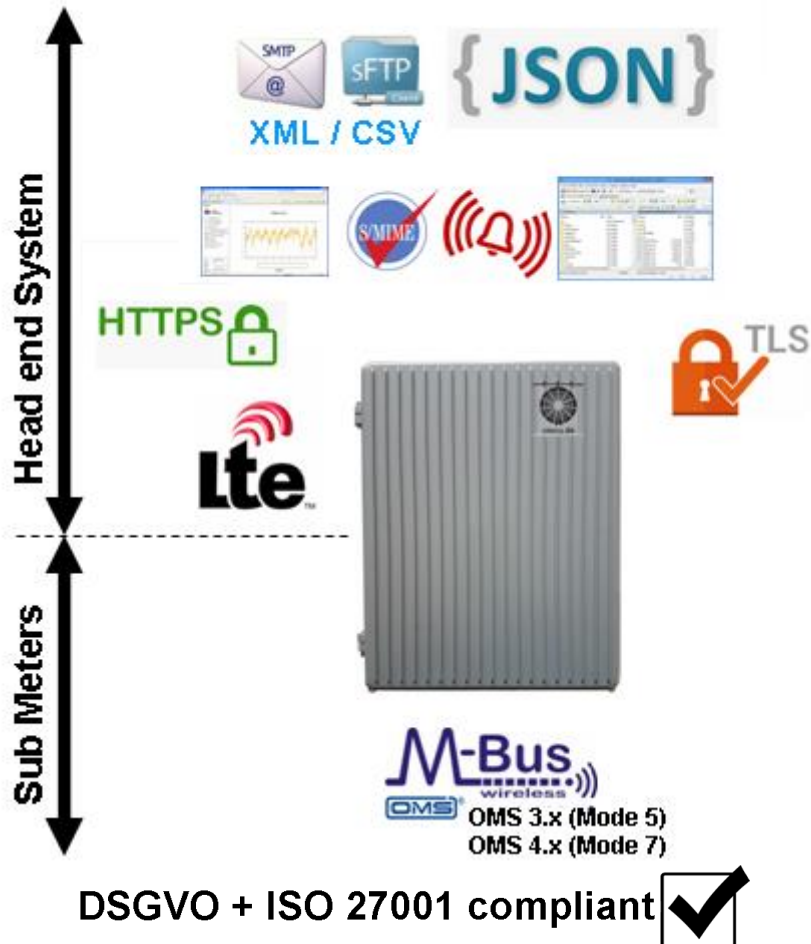




M-Bus *i*ntegrated **D**ata **A**pplication **S**erver **S**ystem

MiDASS GIZA Edition





M-Bus *i*ntegrated **D**ata **A**pplication **S**erver **S**ystem

Index

1	DSGVO / ISO 27001	3
1.1	IP Standards.....	3
1.2	Loggings.....	3
1.3	Access Rights.....	4
1.4	Additional Technical Standards	4
2	Functional Description	5
2.1	Web Interface	5
2.2	Wireless M-Bus	6
2.3	On-Demand Readings.....	6
3	Hardware	7
3.1	CPU.....	7
3.2	MiDASS Outdoor Housing.....	7
3.3	Power Supply	7
3.4	Integrated Mobile Modem.....	7
3.5	Integrated Protocols	7



M-Bus **i**ntegrated **D**ata **A**pplication **S**erver **S**ystem

1 DSGVO / ISO 27001

1.1 IP Standards

Standard	Description
HTTPS	Coded Web interface for Local/Remote Configuration
SMTP/SSL/TLS	Data transfer via Email
S/MIME	Email encryption
SFTP/FTP	Data transfer via SFTP/FTP
NTP	Time synchronisation
DNS	Domain name Service
AES256-cbc	Download / Backup Configuration

1.2 Loggings

Standard	Description
Historical Data Logging	Meters historical logging up to 30 days
Application Log	MiDASS Firmware Loggings



1.3 Access Rights

Permissions	User-Level	
	admin	user
Change Configuration	+	-
Configuration Backup/Restore	+	-
Change Password	+	-
Upgrade Firmware	+	-
Reboot	+	-
Apply All Changes	+	-
View Configuration	+	+
View Historical Data	+	+

1.4 Additional Technical Standards

Standard	Description
GSM / GPRS / EDGE / UMTS / LTE	Mobile modem standards according to the ETSI- Norm
CSV	Measurement Data transfer
JSON	Measurement Data transfer



M-Bus **i**ntegrated **D**ata **A**pplication **S**erver **S**ystem

2 Functional Description

2.1 Web Interface

- HTTPS: SSL/TLS secured Web interface

RmCU Webservice

- Settings
- Main Settings
- Communications
- Servers
- Mobile
- Network
- Scan Mobile Operators
- Inputs
- Wireless M-Bus
- Alarm Management
- Config Overview
- Log of Reboots
- Factory Access
- Reboot
- Logout
- Change Password
- Impressum

Data logging: On
 Login Name: admin
 Device ID: RmCU_5678
 SN: 190312345678
 SW Version: V6.3.1 Mar 3 2019 Giza Systems
 Kernel Version: 4.1.15 Mar 25 2019
 Last Boot: 04.04.2019 09:08:13
 MAC: 00:14:2D:61:A8:25
 Last E-Mail: 2019-04-04 00:12:06
 RmCU time: 04.04.2019 14:44:16
 UTC+00:00 Saving time: Off

Wireless M-Bus State

#	Telegrams	Average RSSI	Mode	Remark	
1	16485	-72 dBm	C1+T1	868 without antenna	Setup
2	0	-0 dBm	T1	433 with antenna	Setup
3	0	-0 dBm	T1	868 without antenna	Setup
4	0	-0 dBm	T1	433 with antenna	Setup

Servers

Last E-Mail : 2019-04-04 00:12:06

NTP Settings

Hostname of NTP-server :
 NTP-server port :

FTP/SFTP Settings 1:

Send cycle [min] :
 FTP/SFTP :
 Hostname of FTP/SFTP server :
 FTP/SFTP-server port :
 Folder :
 User :
 Password :
 Remote filename: [Cityname][Timestamp].csv

Cityname :
 Timestamp :

FTP/SFTP Settings 2:

Active :
 Send cycle [min] :



2.2 Wireless M-Bus



Wireless M-Bus features:

- 4 wireless M-Bus Master according to DIN EN13747-4
- Up to 10000 meters simultaneously.
- 432-435 MHz decoder.
- Supporting C1-, T1-, and S1- Modes.
- Supporting wM-Bus drivers for data encryption.
- wM-Bus Mode 5 and Mode 7 encryption (OMS 3 + OMS 4).
- Historical Logging for last 30 days.

2.3 On-Demand Readings

- MiDASS Giza Edition supports On-Demand reading requests for certain meters, days or hours through integrated API.



3 Hardware

3.1 CPU

- Cortex A-5 Processor, 400 MHz.
- Memory of 4 GB, 16 GB SD Card.
- HW-Watchdog.
- RTC (buffered over Gold-Cap).

3.2 MiDASS Outdoor Housing

- Outside wall-mounted housing.
- Protection degree of IP 66.
- Temperature range -20...+70 °C

3.3 Power Supply

- 9 - 14 VDC or 220 VAC 50/60 Hz.
- Typical power consumption 5 W, max. 15 W (according to technical extension).

3.4 Integrated Mobile Modem

- LTE UMTS/GSM/GPRS/EDGE

3.5 Integrated Protocols

- FTP
- SFTP
- SMTP
- NTP