

# SMA DATA MANAGER M

EDMM-US-10



**ennexOS**  
CROSS SECTOR ENERGY MANAGEMENT

## Fast and simple

- Quick and intuitive commissioning including Sunny Portal registration
- Simple integration of I/O systems and energy meters

## Future-proof and flexible

- Can be flexibly expanded to satisfy new requirements and changing customer needs via software expansion packs
- Provides a gateway to the rapidly changing energy market of the future

## Reliable and convenient

- Complies with international grid integration requirements
- Detailed analytics, alert system and reporting

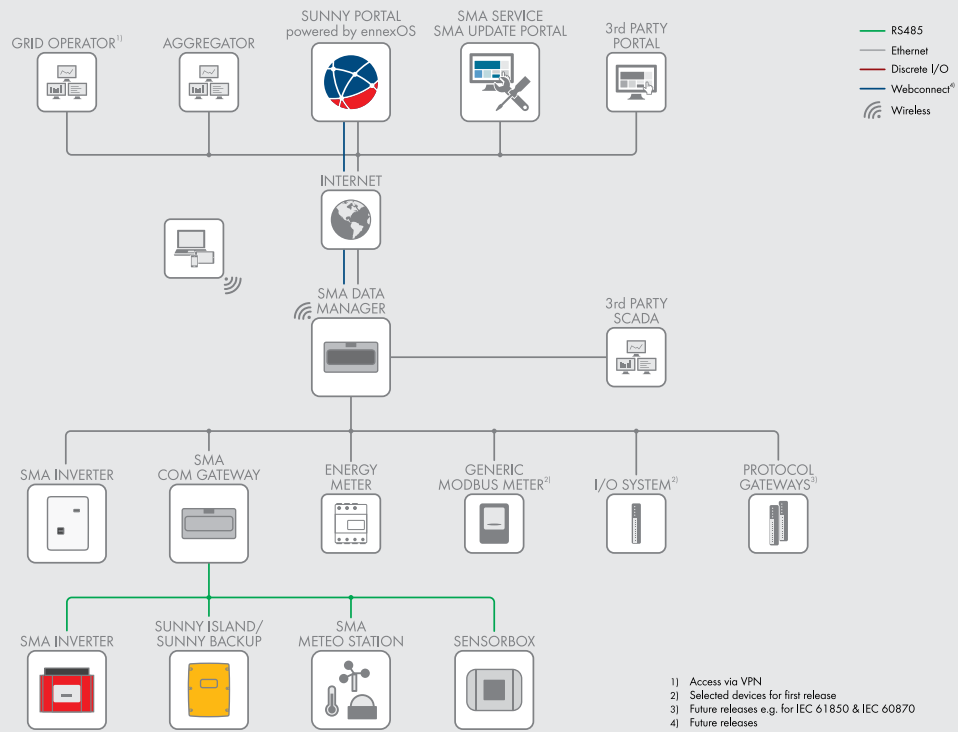
## Lowest risk solution

- Secure remote monitoring and control of all connected components
- SMA recently named the #1 global provider of monitoring and energy management solutions by Navigant and GTM Research

## SMA DATA MANAGER M

A new dimension of energy monitoring and management

In combination with the new Sunny Portal powered by the award-winning ennexOS, the Data Manager M optimizes communication, monitoring and control of PV systems. The Data Manager M replaces the SMA Cluster Controller and brings the new ennexOS software platform based on the Internet of Things (IoT) for energy management. It is both easily expandable and well equipped to address the new energy business models of the future. With intuitive setup functions for the Data Manager M and inverter, commissioning time and associated labor is significantly reduced. And with the new ennexOS platform, system and inverter parameters can be changed remotely via Sunny Portal, further reducing OPEX costs. The Data Manager M powered by ennexOS is the ideal energy management solution for system owners and operators alike.



Technical data	SMA DATA MANAGER M
<b>Communications</b>	
Supported devices	Max. 50 devices: Inverters, I/O systems & meters, Ethernet, 100 Mbit/s AND 2.5MVA total for PV inverters
<b>Connections</b>	
Voltage supply	2-pin connection, MINI COMBICON
Network (LAN)	2 x RJ45, switched, 10BaseT/100BaseT
USB	1 x USB 2.0, type A
<b>Voltage supply</b>	
Voltage supply	External power supply unit (available as an accessory)
Input voltage	10 V to 30 V
Power consumption	Typically 4 W
<b>Ambient conditions in operation</b>	
Environment	Restricted class 3K7 reg. IEC60721-3-3
Ambient temperature	-4 °F to +140 °F
Permissible range for relative humidity (non-condensing)	5% to 95%
Maximum operating altitude above MSL	0 m to 3,000 m (≥70 kPa)
Degree of protection according to IEC 60529	IP20
<b>General data</b>	
Dimensions (W / H / D)	6.36 inch / 3.53 inch / 2.65 inch
Weight	0.5 lb
Mounting location	Indoors
Mounting type	Top-hat rail mounting / wall mounting
Status display	LEDs for system and communication status
<b>Features</b>	
Warranty	2 years
Certificates and approvals (more available upon request)	www.SMA-Solar.com
<b>Accessories (optional)</b>	
Top-hat rail power supply unit	Input: 100 V to 240 V AC / 45 Hz to 65 Hz Output: 24 V DC / 2.5 A
I/O system by Moxa Europe GmbH	ioLogik E1242 (4AI/4DI/4DIO), SMA order number: eIO-E1242 ioLogik E1260 (6RTD), SMA order number: eIO-E1260
I/O system by WAGO Kontakttechnik GmbH & Co. KG	WAGO I/O SYSTEM 750 (8DI, 8DO, 4AI, 4AO, 2RTD), SMA order number: eIO-750Bundle
Type designation	EDMM-US-10

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