

SMA DATA MANAGER M



Quick and easy

- Quick and intuitive commissioning of all local components and Sunny Portal
- 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
- Access to the rapidly changing energy market of the future

Reliable and convenient

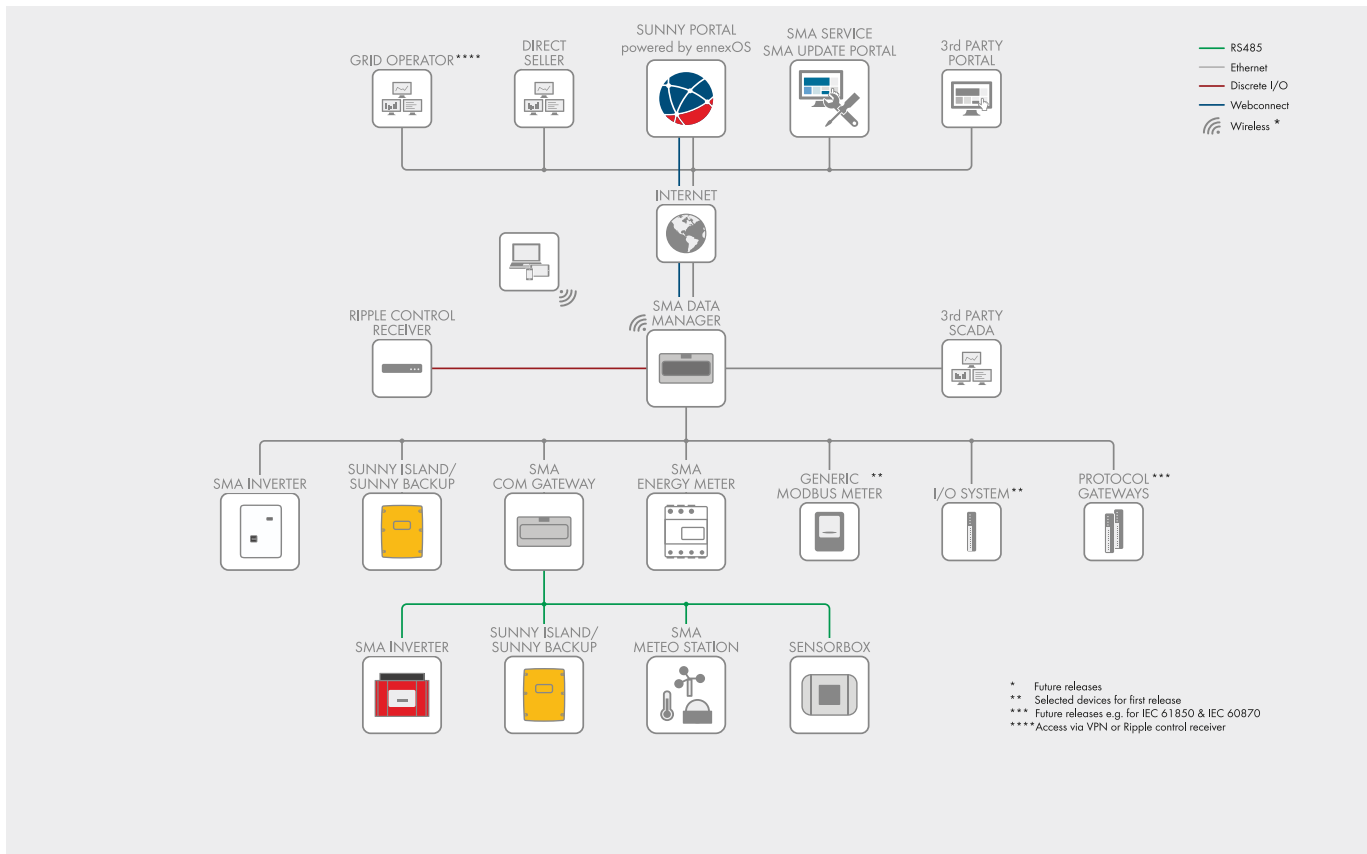
- Complies with international grid integration requirements
- Detailed analytics, alert system and reporting

- Convenient and secure remote monitoring and parameterization of all connected components

SMA DATA MANAGER M

Monitoring and control

In combination with the new Sunny Portal powered by ennexOS, the Data Manager M optimizes communication, monitoring and control of PV systems. The Data Manager M replaces the SMA Cluster Controller, and with its new ennexOS software platform based on the „Internet of Things“ for energy management, is both easily expandable and well equipped to handle new business models of the energy market future. With intuitive assistance functions for the Data Manager M and inverter, time on-site for commissioning is significantly reduced. And with the new ennexOS platform, it is possible to change system and inverter parameters via Sunny Portal avoiding further time on-site. With its impressive and efficient user interface powered by ennexOS, the Data Manager M is the ideal platform and professional system interface for power supply companies, direct marketers, service technicians and PV system operators.



* Future releases
 ** Selected devices for first release
 *** Future releases e.g. for IEC 61850 & IEC 60870
 **** Access via VPN or Ripple control receiver

Technical data	SMA DATA MANAGER M
Communications	
SMA devices	Max. 25 devices, Speedwire, 100 Mbit/s
I/O systems and meters	Max. 3 devices, Ethernet, 10/100 Mbit/s, Modbus TCP
Connections	
Voltage supply	2-pin connection, MINI COMBICON
Network (LAN)	2 x RJ45, switched, 10BaseT/100BaseT
USB	1 x USB 2.0, type A
Voltage supply	
Voltage supply	External power supply unit (available as an accessory)
Input voltage	10 V to 30 V
Power consumption	Typically 4 W
Ambient conditions in operation	
Environment	Restricted class 3K7 reg. IEC60721-3-3
Ambient temperature	-4 °F bis +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
General data	
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
Features	
Warranty	2 years
Certificates and approvals (more available upon request)	www.SMA-Solar.com
Accessories (optional)	
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
Date: December 2017	
Type designation	EDMM-US-10