

# blue'Log XM slave

Item no. 532.018



## Description

The blue'Log XM slave collects all data of your PV plant and serves as a gateway for VCOM Cloud and Local SCADA Center. In addition, the device acts as the interface for the blue'Log XC power plant controller to all controllable units (inverters) at the plant.

### Note

The blue'Log XM slave can only be ordered as part of a project offer.

## Features

- Processing of up to 100 devices <sup>1)</sup>
- Processing of up to 250 trackers <sup>2)</sup>
- Up to 50 slaves can be connected to a single master
- Can be used for systems of any performance class
- Measured values in 1-minute intervals
- At least 100 days of data storage (long-term storage in VCOM Cloud or Local SCADA)
- Automatic forwarding of data in case of disconnection
- Sending of historical data (at least 100 days in the past)
- Compatible with more than 4,900 devices. See [Compatibility Check](#).

<sup>1)</sup> Exception: Status via multi/digital inputs are not included in the devices.

<sup>2)</sup> If the tracker mode is activated on the blue'Log, up to 250 devices can be queried instead of 100. In this case, no other device types can be configured except for the trackers, sensors (max. 10), and Status DI internal.

## Extensions

- The range of functions can be extended with licenses.
- The available additional licenses can be found in the [blue'Log optional licenses data sheet](#).

## Technical data

Power supply	24 V DC
Power consumption	Typically 5 W / max. 80 W, incl. MX add-on module
ESD protection	Tested in accordance with DIN EN 61000-4-2 (4 kV contact discharge, 8 kV air discharge)
Operating temperature	-20 °C ... 60 °C
Storage and transport temperature	-20 °C ... 75 °C
Protection class	IP 20

Elevation	max. 2,000 m
Rel. air humidity	max. 80 %
Degree of soiling	max. 2
Installation	Top-hat rail (35 mm) and wall mounting
Dimensions (H x W x D)	110 x 146 x 63 mm (including side parts)
Weight	385 g
Storage	16 GB (> 100 days of data storage)

## Display / operation

Display	1 (291 x 118 pixels)
LED display	3
Operating buttons / directional pad	2 / 1
Reset button	1
DIP switches (bus termination)	3 (2 x RS485 / 1 x CAN)

## Interfaces

### Communication

- 2 x RS485 (interface can be terminated individually)
- 1 x Ethernet (10/100 MBit)
- 1 x CAN

### Digital inputs

- 4 x digital inputs (mode configurable via software for each port)
- The following options are available for each digital input:

Type	Usage	Range	Precision	Resolution
Digital	Wet contact	24 V DC / 20 mA	–	–
Meter	S0	S0 compliant / max. 16 Hz	–	–

### Multi inputs

- 4 x multi inputs (mode configurable via software for each port)
- The following options are available for each multi input:

Type	Usage	Range	Precision	Resolution
Digital	Wet contact	5 V DC / 5 mA	–	–
Meter	S0	S0 compliant / max. 16 Hz	–	–
Analog	Voltage input	0 ... 10 V DC	2 mV DC	40 µV DC

Type	Usage	Range	Precision	Resolution
Analog	Current input	0 ... 20 mA	80 $\mu$ A	2 $\mu$ A
Analog	Resistor (PT1000)	600 ... 1,800 $\Omega$	2 $\Omega$	0.5 $\Omega$

#### Digital outputs

- 4 x digital outputs (mode configurable via software for each port)
- The following options are available for each digital output:

Type	Usage – Open collector	Range
Digital	Active high GND (0: 1 M $\Omega$ / 1: GND) (Firmware < 16.0.5 Active low)	max. 24 V DC / max. 50 mA
Digital	Active low GND (0: GND / 1: 1 M $\Omega$ )	max. 24 V DC / max. 50 mA
Digital	Active high 24 V (0: 1 M $\Omega$ / 1: 24 V DC) (Firmware < 16.0.5 Active high)	24 V DC / max. 50 mA
Digital	Active low 24 V (0: 24 V DC / 1: 1 M $\Omega$ )	24 V DC / max. 50 mA

#### MX-Modules

- The system can be expanded with additional interfaces by connecting MX add-on modules.
- The following modules can get connected:

MX-Module RS485/422	max. 3
MX-Module Multi I/O	max. 5