

Modbus Cloud Connect

Data Sheet



Description

The Modbus Cloud Connect product consists of a total of 4 components:

- Hardware:**
Delivery of Modbus Cloud Connect gateways together with additional equipment (device), including provision of the IoT SIM card integrated in the hardware (SIM card); device and SIM card together referred to as hardware.
- Connectivity:**
Provision of connectivity services (via Narrowband IoT & LTE-M network technologies).
- Data Service:**
 - Provision of a cloud component (backend) that connects the Modbus RTU device used by the customer to the individual Modbus Cloud Connect gateways and simultaneously forwards the data to a system configured and provided by the customer (customer backend, cloud).
 - Provision of a self-service portal (frontend) for the administration and configuration of the Modbus Cloud Connect gateways and the connection of customer systems by means of prefabricated modules (cloud adapters) by the customer.
- Technical Support:**
Support services for the reliable operation of the solution, incl. service desk and initial support for the administration and configuration of the Modbus Cloud Connect gateways as well as the connection of the customer systems via Cloud Adapter using the self-service portal.



Product Detail

Interface:	Modbus RTU Interface max. 32 Modbus-Devices (BUS-Members); 1200m Line length adjustable baud rate and parity
	NB-IoT/LTE-M Modem (Nordic nRF9160 SiP)
	Power supply (removable screw terminal 3pol*)
Serial data rate:	Max. 115 kbps
LED:	1x LED for status display
Supply:	5-24VDC
Power consumption:	3,3Watt
Network/Frequency band	LTE Cat M1/Cat NB1 B8, B20: 23 dBm
Operating temperature:	-25°C - +40 °C
Storage temperature:	-25°C - +60°C
Housing:	PVC
Dimensions (BxHxT):	18 x 90 x 58 mm
Weight:	41g without Antenna
Mounting:	Mounting on DIN-Rail
SIM-Card	Vodafone Global IoT MFF2 SIM (eSIM)
Protection class	IP20
Humidity	max. 95% r. h. (non-condensing)
Antenna*:	2 Versions (2m line length): <ul style="list-style-type: none">▪ Rod antenna with magnetic base▪ Flat antenna with adhesive base

*included in scope of delivery

Ports

Modbus Connector*	(PIN A+B) FMC 1,5/ 3-ST-3,5 Schraubklemme 3pol
Conductor cross-section	0,14 ... 0,5mm ² AWG26 ... 20
Modem	1x SMA Antennenbuchse
Power Supply Connector*	(PIN VDC/GND) FMC 1,5/ 3-ST-3,5 Screw terminal 3pol
Conductor cross-section	0,14 ... 0,5mm ² AWG26 ... 20

Onboarding/Configuration/Parameterization

Onboarding is done by scanning the QR code on the device in the Self-Service Portal (account is required).

Norms and Standards



RED 2014/53/EU
IEC62368-1
RoHs

Order no. Product(s)

Gateway:	MOC-GW1
Antenna w. magnetic base:	MOC-AN1
Antenna w. adhesive base:	MOC-AN2
Connector:	MOC-ST1