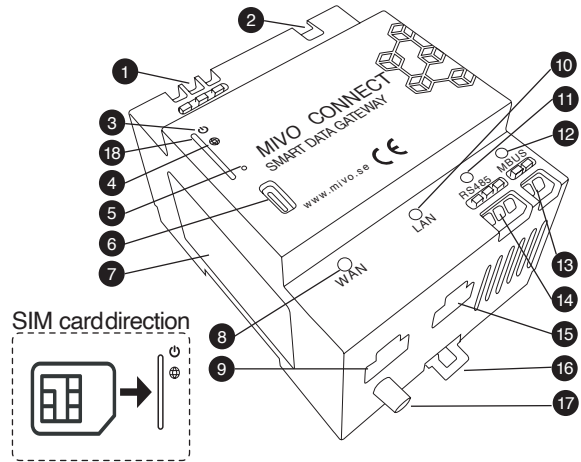


# MIVO CONNECT

## SMART DATA GATEWAY

### QUICK MANUAL 1.3



Designed and manufactured in Sweden by:  
 MIVO Technology AB  
 112 15 Stockholm  
[www.mivo.se](http://www.mivo.se)



This product contains electronic components and must therefore not be disposed as landfill or as household waste. Please dispose this product after use as electronic waste in accordance with local guidelines.

1. Connection terminals for 230V 50Hz.
2. Connector for expansions
3. Combined power and status LED
4. Internet connection status
5. Factory reset button
6. USB-C port (for user interface)
7. Product information label
8. WAN link status LED
9. WAN ethernet port
10. LAN link status LED
11. RS485RX (green)/TX (orange)
12. MBUSRX (green)/TX (orange)/error (red)
13. MBUS connection terminal
14. RS485 connection terminal
15. LAN ethernet port
16. Fixing latch
17. SMA connector for LTE antenna.
18. Mini-SIM card slot (2FF)



- Must be installed by a certified electrician following local electrical guidelines.
- Always place a circuit breaker prior to the product that breaks both L & N.
- Never work with power connected.
- Incoming power must be fused 16A or less.
- Additional care must be taken when connecting the internal RS485, please refer to the full manual for more information.

### Led Status



Off	No power
Switching green/ red	Booting
Solid green	Status OK
Solid blue	Configuration mode
Quick blink red	Confirm factory reset
Solid red	Serious malfunction contact Manufacturer



Off	Local mode
Solid green	WAN Ok
Solid blue	LTE Ok
Solid red	No link

\* see manual for more combinations

### Quick start

1. Mount device on DIN rail.
2. (LTE) Insert the simcard, use a small flathead screwdriver or similar to gently press the simcard until it clicks.
3. Connect mains power to terminals marked with 1. (0.2 to 1.5mm<sup>2</sup>, peel 8mm)
4. Connect the other interfaces, if RS485 is to be connected please refer to the full manual at [www.mivo.se/support](http://www.mivo.se/support).
5. Power on the device.
6. Connect a USB-C cable between the front of the product and your computer and wait for the status led to turn blue.
7. Open a web browser and enter <http://192.168.98.1> in the search bar.
8. Login using default credentials ( admin / admin ).
9. (LTE) Enable LTE under the System->Network tab.

For more information see full manual at [www.mivo.se/doc](http://www.mivo.se/doc)

### Troubleshooting

No connection on USB	Try with a different USB cable.
WAN LED is solid red	No link found on WAN. Check network cable to switch.
WAN LED is blinking red	Product is configured for DHCP but no server found. Check configuration or connection between switch and router.
MBUS led is solid red	Short circuit or overload on M-Bus lines.

For more troubleshooting see full manual at [www.mivo.se/doc](http://www.mivo.se/doc)

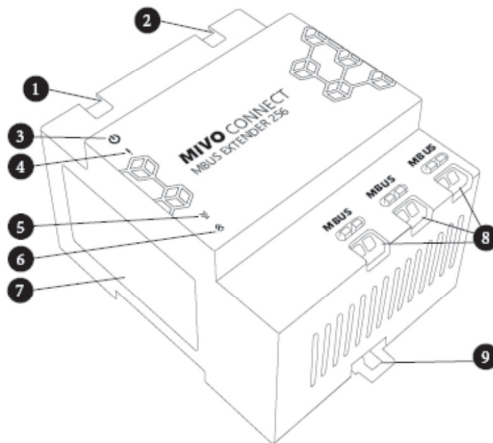
# MIVO CONNECT

MBUS EXTENDER 256

QUICK MANUAL 1.2



Designed and manufactured in Sweden by:  
MIVO Technology AB  
112 15 Stockholm  
[www.mivo.se](http://www.mivo.se)



1. Connection to previous extender or MIVO Connect
2. Connection to next extender
3. Status LED
4. MBus Status LED
5. Master-to-Slave Communication LED
6. Slave-to-Master Communication LED
7. Product information label
8. MBus Connection Terminal (0.2 to 1.5mm<sup>2</sup>, strip 8mm)  
(Terminals are connected inside)
9. Fixing latch



This product contains electronic components and must therefore not be disposed as landfill or as household waste. Please dispose this product after use as electronic waste in accordance with local guidelines.



- Must be installed by a certified electrician following local electrical guidelines.
- Always place a circuit breaker prior to the product that breaks both L & N.
- Never work with power connected.
- Incoming power must be fused 16A or less.
- Please refer to the full manual for more information at [www.mivo.se/help](http://www.mivo.se/help)

### Quick start

1. Disconnect power to the installation.
2. Mount the Extender on the DIN-rail on the right side of the last MIVO-Device.
3. Connect the included cable between Expansion Out on the previous device and Expansion In on the extender.
4. Connect the MBus cable on any of the three MBus terminals (they are internally parallel connected inside the extender).

For more information read the full manual at [www.mivo.se/help](http://www.mivo.se/help)

### LEDs (1 / 2)



Off	No power
Switching red /green	Waiting for MIVO Connect to boot
Solid green	Operational
Solid red	Error, Contact MIVO



Off	MBUSOk
Quick red blink (every 2s)	No MBus load detected
Solid yellow	Warning overload
Solid red	Error overload
Quick red blink	Short circuit

### LEDs (2 / 2)



Off	No Communication
Green blink	Communication TX (Master to Slave)



Off	No Communication
Green blink	Communication RX (Slave to Master)
Red blink	MBus Collision