

Gateway BACnet MS/TP Slave / Modbus RTU Master

HD67671-MS/TP-X-A1



Abbildungen ähnlich

- Read and write up to 2,000 BACnet objects
- Bidirectional data exchange between BACnet and Modbus RTU
- High temperature range from -40 °C to +85 °C
- Galvanic 3-way isolation between BACnet / Modbus RTU and power supply
- Transmission of project planning via Ethernet

<https://www.wachendorff-prozesstechnik.de/en/HD67671-MSTP-X-A1>

Description

The configurable gateway HD67671-MS/TP-X-A1 enables communication between Modbus RTU slaves and a BACnet/IP master. The registers of all connected Modbus RTU slaves are made available to the BACnet/IP master as BACnet objects. Transferring the configuration of the gateway by software via the Ethernet port is very quick and easy. The DIN rail mounting and removable screw terminals ensure quick and safe installation and easy wiring of the device.

Product details

Interfaces:	HD67671-MS/TP-2-A1: 1x Ethernet port (RJ45 socket) 1x RS485 (removable screw terminal, 3-pin) 1x RS232 (Sub-D plug, 9-pin)
	HD67671-MS/TP-4-A1: 1x Ethernet port (RJ45 socket), 2x RS485 (removable screw terminal, 3-pin)
BACnet objects:	Read and write up to 2,000 BACnet objects
LED:	HD67671-MS/TP-2-A1: 4x signal display for supply and communication
	HD67671-MS/TP-4-A1: 4x signal display for supply and communication
Supply:	HD67671-MS/TP-2-A1: 12 VDC to 35 VDC or 8 VAC to 24 VAC, 50/60HZ
	HD67671-MS/TP-4-A1: 12 VDC to 35 VDC or 8 VAC to 24 VAC, 50/60HZ
Power consumption:	HD67671-MS/TP-2-A1: 3.5 Watt / VA HD67671-MS/TP-4-A1: 3.5 Watt / VA
Supported function codes:	FC01, FC02, FC03, FC04, FC05, FC06, FC15, FC16 You can find more detailed information on this in Technical Note 0302: Modbus basics
Software:	Free configuration software SW67671 for parameterization of the device

BBMD functionality:	This gateway only supports BBMD in a rudimentary way. No "Registration by Foreign Devices" and no NAT.
Operating temperature:	-40 °C to +85 °C
Humidity:	10 % to 80 %, non-condensing
Housing:	Previous housing: PVC New housing: PC-ABS
Dimensions (WxHxD):	HD67671-MS/TP-2-A1: Previous housing: 23 mm x 107 mm x 120 mm New housing: 22.5 mm x 90.7 mm x 123 mm
	HD67671-MS/TP-4-A1: 23 mm x 107 mm x 120 mm
Weight:	approx. 200 g
Fastening:	Mounting on the DIN rail
Note:	The article description should always be viewed from the gateway's perspective. You can connect masters to the HD67671 on the BACnet side and slaves on the Modbus RTU side.
Customs tariff number:	8517 62 00
Manufacturer:	ADFweb.com S.r.l.

Products Order no.

HD67671-MSTP-2-A1	Gateway BACnet MS/TP Slave / Modbus RTU Master (RS232)
HD67671-MSTP-4-A1	Gateway BACnet MS/TP Slave / Modbus RTU Master (RS485)

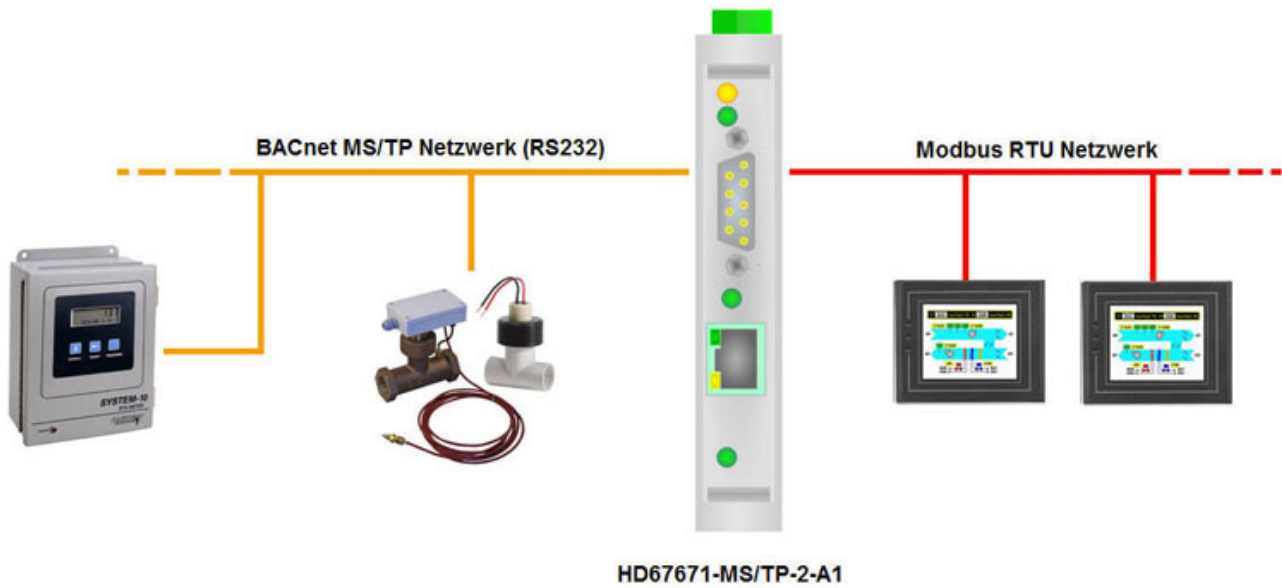
Accessories Order no.

DRS3-24	Power supply unit for DIN rail, 85 to 264 VAC, 24 VDC 3 A, spring terminal
DRS4-24A	Power supply unit for DIN rail, 85 to 264 VAC, 24 VDC 4.2 A, screw terminal
KABETH10	Patch cable, RJ45 UTP CCA, CAT5e white, 0.3 m
KABETH11	Patch cable, RJ45 UTP CCA, CAT5e white, 1 m

KABETH12	Patch cable, RJ45 UTP CCA, CAT5e white, 2 m
----------	--

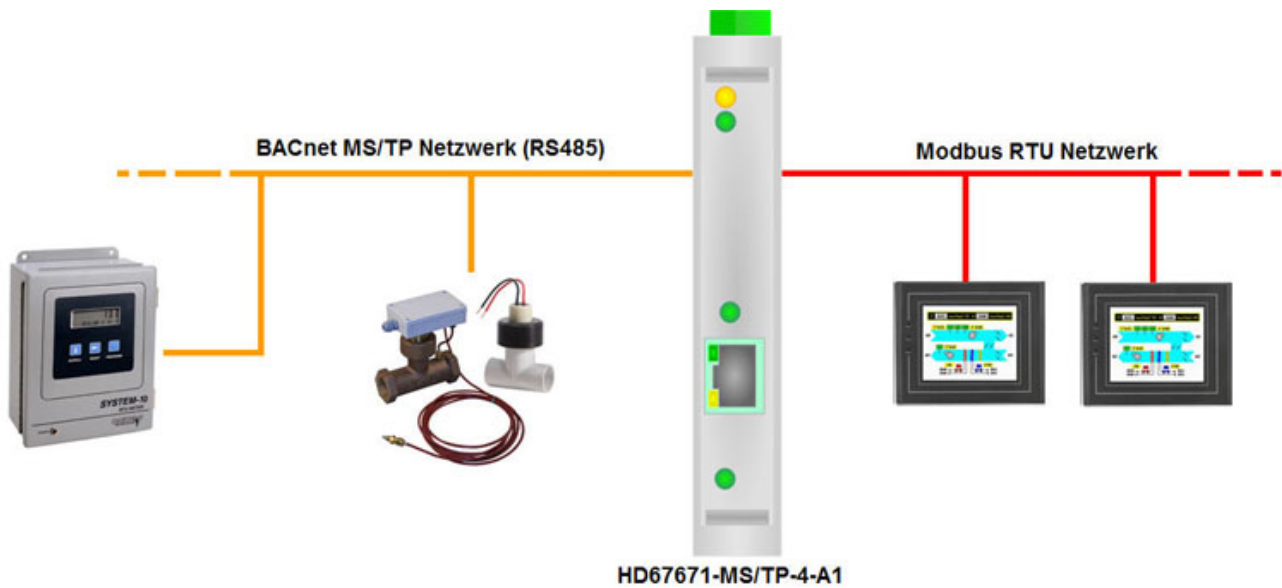
Drawings

Example application - HD67671-MS/TP-2-A1



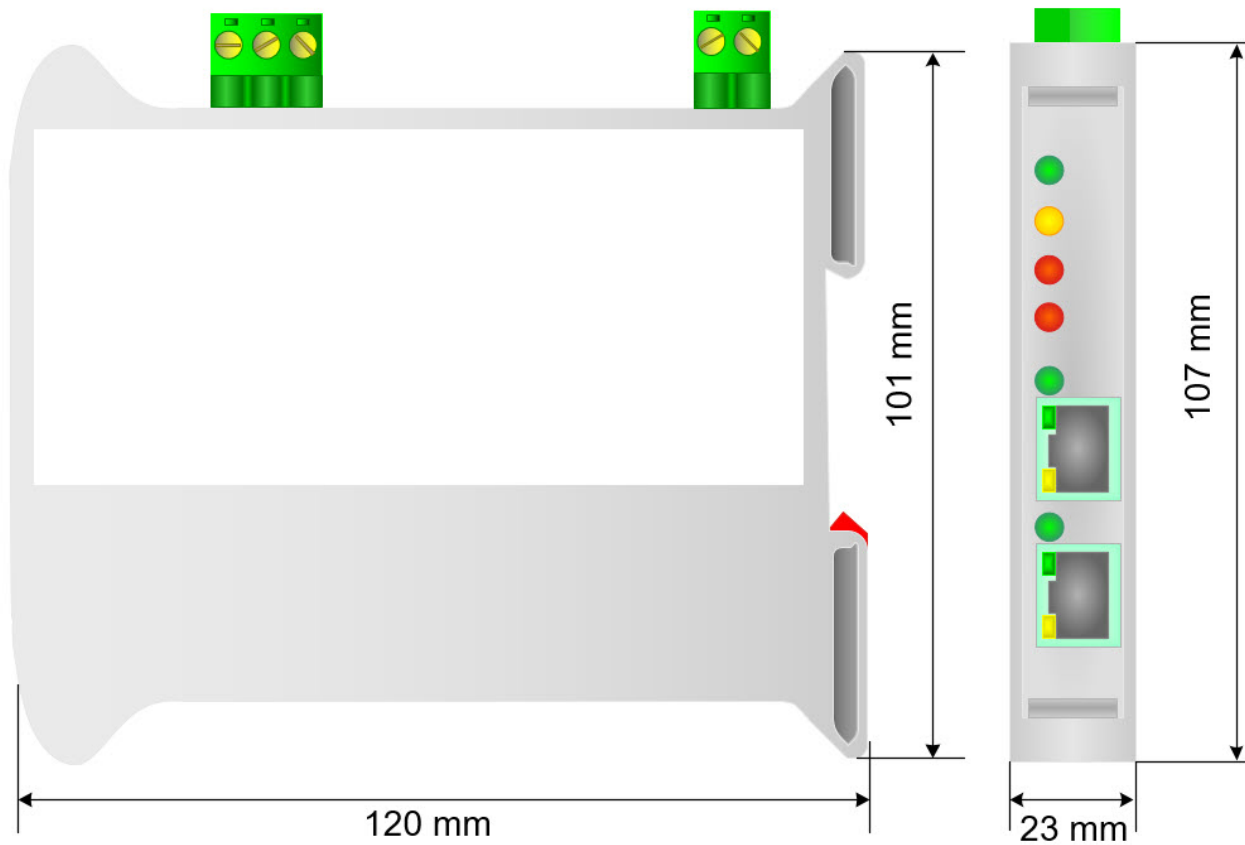
Drawings

Example application - HD67671-MS/TP-4-A1



Drawings

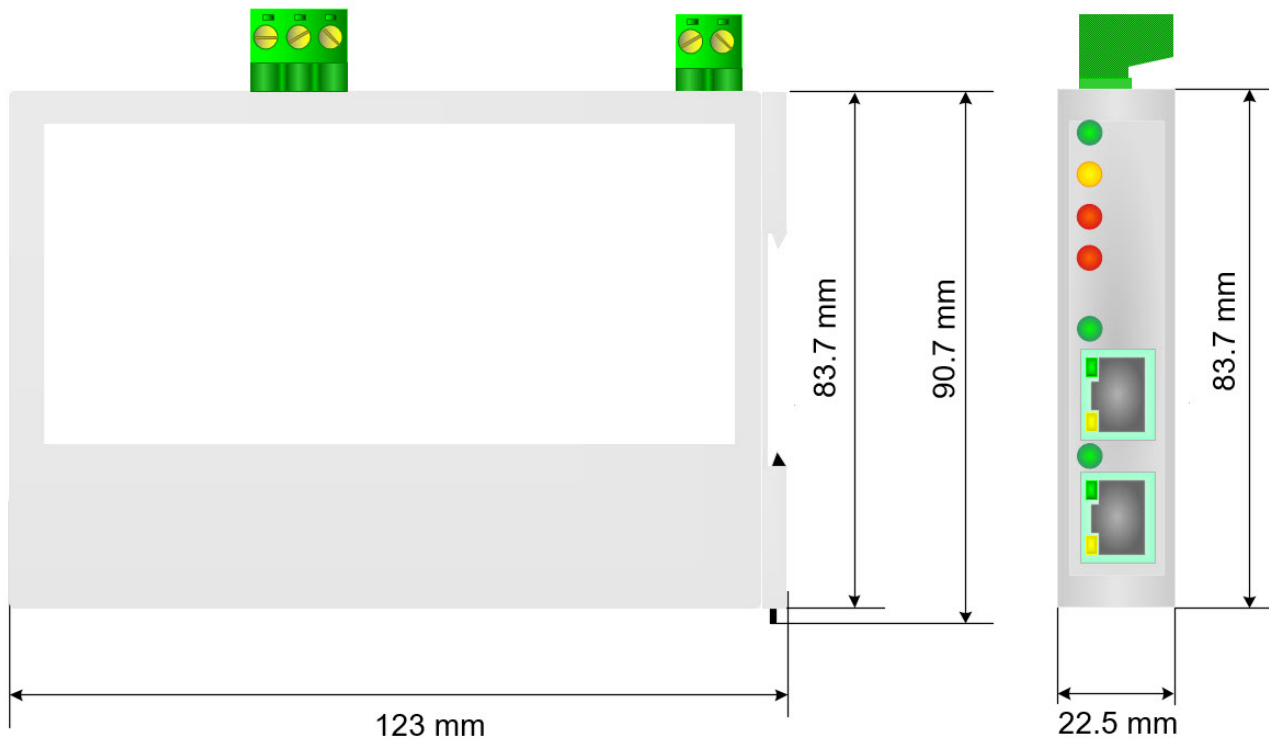
Dimensions (previous housing)



Gehäuse: PVC
Gewicht: ca. 200g

Drawings

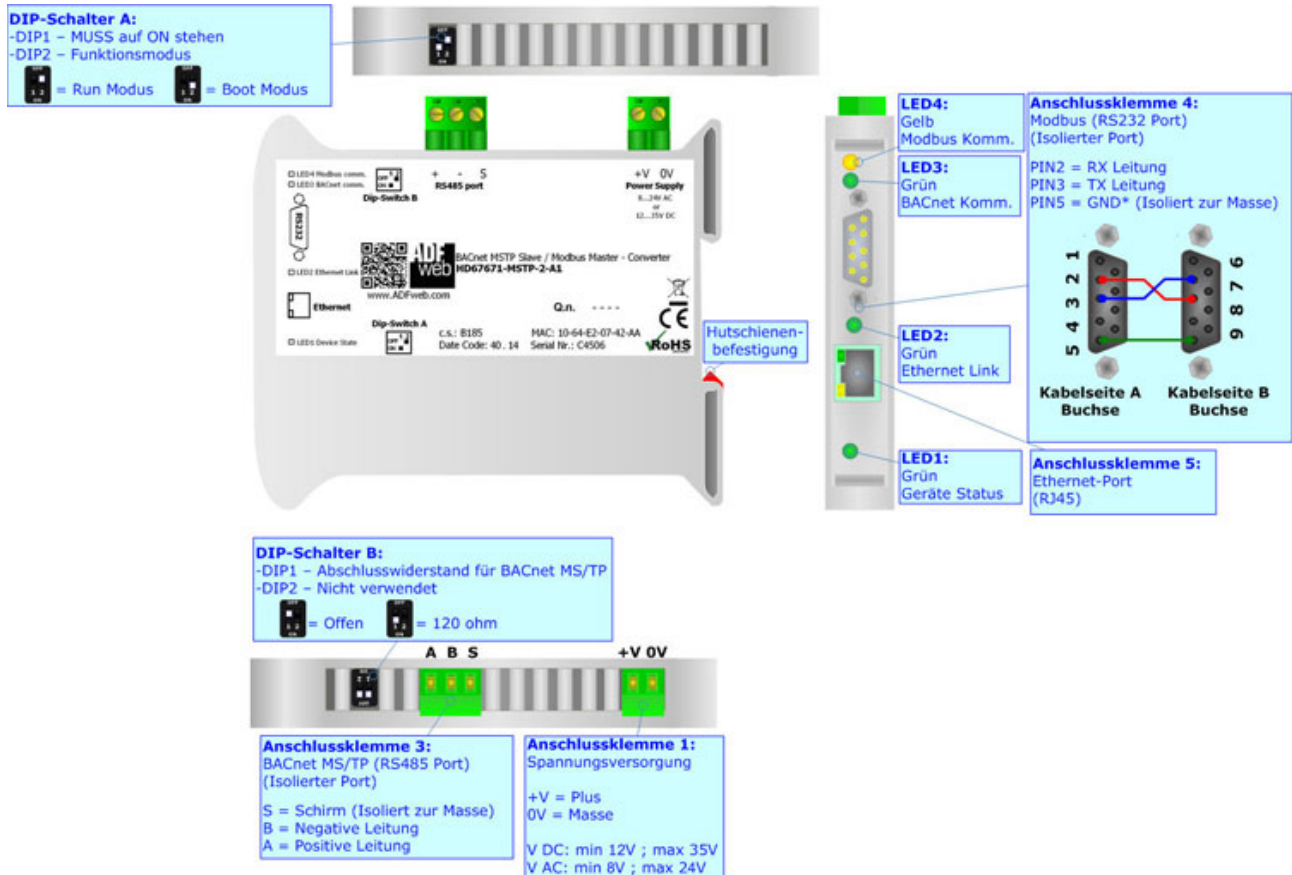
Dimensions (new housing)



Gehäuse: PC-ABS
Gewicht: ca. 200g

Drawings

Connection diagram - HD67671-MS/TP-2-A1



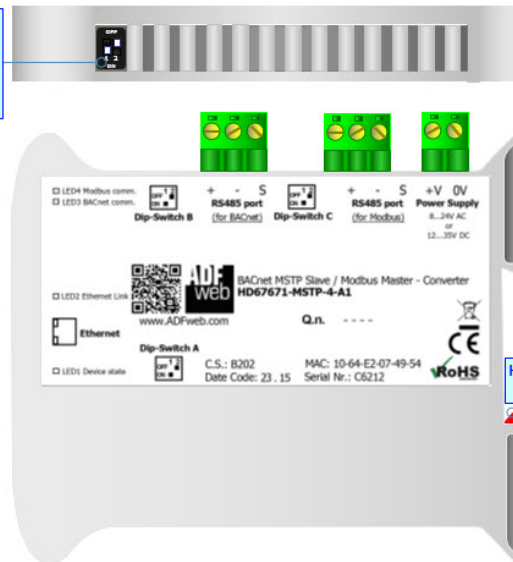
Drawings

Connection diagram - HD67671-MS/TP-4-A1

DIP-Schalter A:

- DIP1 – MUSS auf ON stehen
- DIP2 – Funktionsmodus

= Run Modus = Boot Modus



LED4:
Gelb
Modbus Komm.

LED3:
Grün
BACnet Komm.

LED2:
Grün
Ethernet Link

Anschlussklemme 5:
Ethernet-Port
(RJ45)

LED1:
Grün
Geräte Status

DIP-Schalter B:

- DIP1 – Abschlusswiderstand für BACnet MS/TP
- DIP2 – Nicht verwendet

= Offen = 120 ohm

DIP-Schalter C:

- DIP1 – Abschlusswiderstand für RS485-Bus
- DIP2 – Nicht verwendet

= Offen = 120 ohm



Anschlussklemme 3:
BACnet MS/TP (RS485 Port)
(Isolierter Port)
S = Schirm (Isoliert zur Masse)
B = Negative Leitung
A = Positive Leitung

Anschlussklemme 2:
RS485 (Für Modbus, Isolierter Port)
S = Schirm (Isoliert zur Masse)
B = Datenleitung (B) -
A = Datenleitung (A) +

Anschlussklemme 1:
Spannungsversorgung

+V = Plus
0V = Masse

V DC: min 12V ; max 35V
V AC: min 8V ; max 24V



Wachendorff Prozesstechnik GmbH & Co. KG
Industriestrasse 7 • 65366 Geisenheim
Germany

Phone: +49 (0) 67 22 / 99 65 - 20
E-Mail: wp@wachendorff.de
www.wachendorff-prozesstechnik.de

