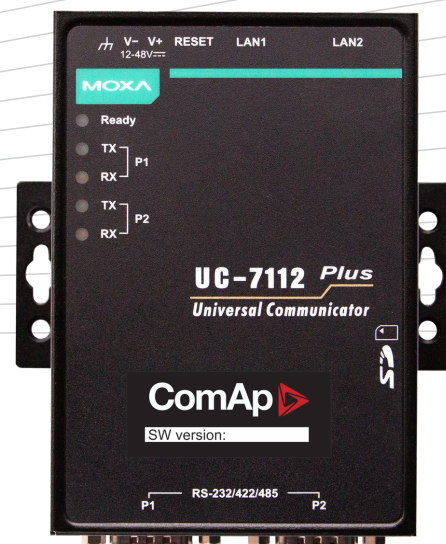


UC-7112-LX Plus



Order code: CM17112LBGB

Universal communication module

Datasheet

Product description

- ▶ Interface to PV inverters in Hybrid applications
- ▶ Connection to MTU MIP4000
- ▶ Collection of data from Modbus RTU/TCP device(s) and transmission of this data to WebSupervisor
- ▶ Predefined communication settings for devices.
New devices on request.

Key features

- ▶ 2x Ethernet port
- ▶ 2x RS232/422/485 port
- ▶ Modbus TCP protocol, client or server (Ethernet)
- ▶ Modbus RTU protocol, client or server (RS232/422/485)
- ▶ AirGate support
- ▶ Profibus DP (over RS485)
- ▶ IEC 62056-21

Technical data

Power supply

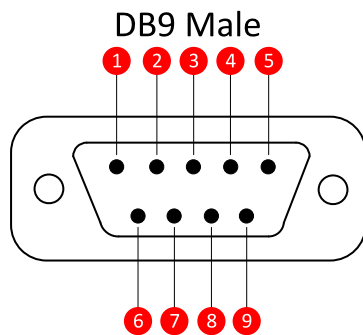
Power supply	12 to 48 V DC
Power consumption	170 mA @ 24 V 340 mA @ 12 V

Operating conditions

Operating temperature	- 10°C to + 60°C
Storage temperature	- 20°C to + 80°C
Operation humidity	5 to 95% w/o condensation

Communication

2x Ethernet port
2x RS232/422/485 port



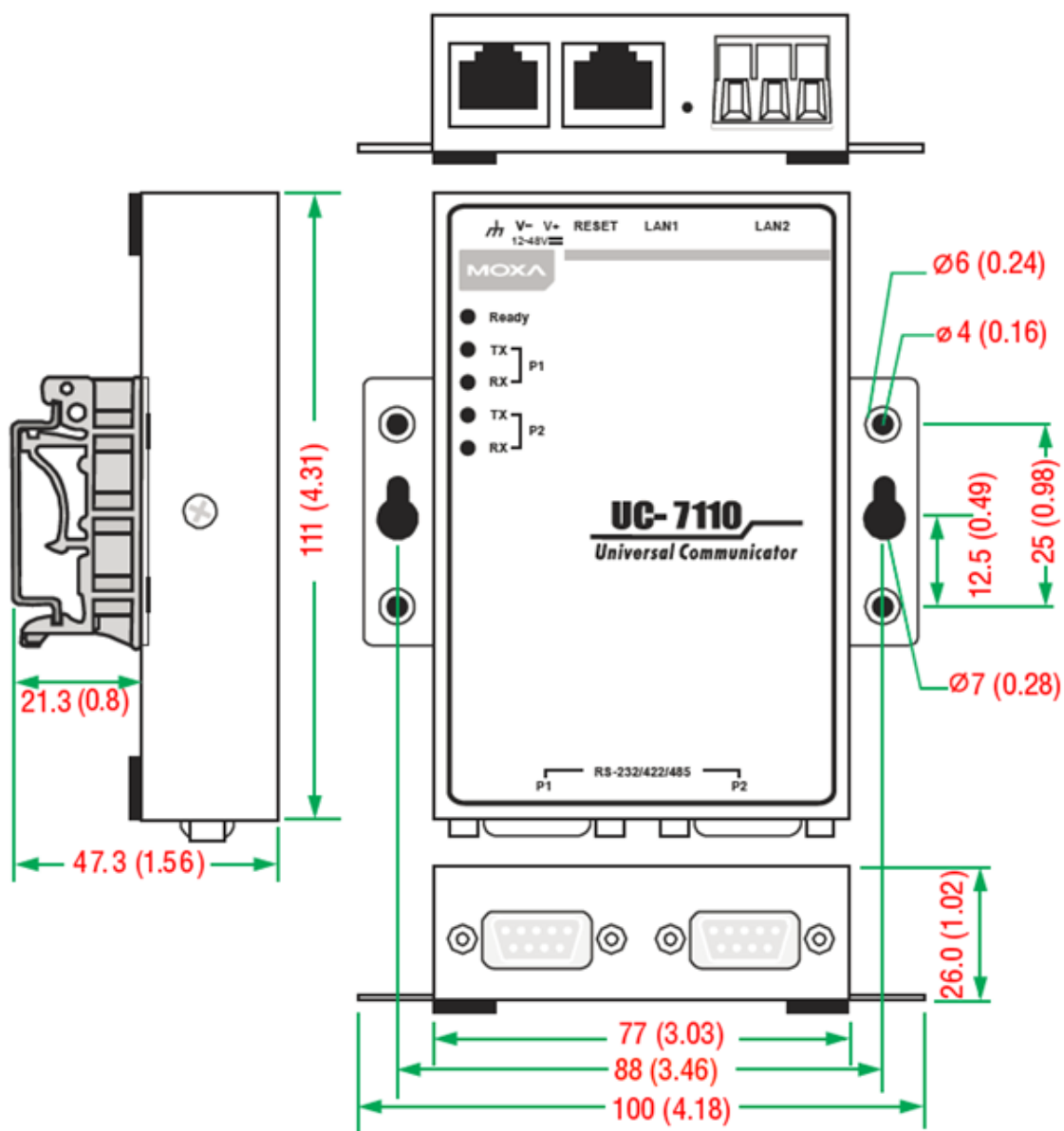
Pin	RS-232	RS-422	RS-485 (4-WIRE)	RS-485 (2-WIRE)
1	DCD	TxDA (-)	TxDA (-)	
2	RxD	TxDB (+)	TxDB (+)	
3	TxD	RxDB (+)	RxDB (+)	DataB (+)
4	DTR	RxDA (-)	RxDA (-)	DataA (-)
5	GND	GND	GND	GND
6	DSR			
7	RTS			
8	CTS			

RS485 Cable

Color	Meaning
Green	DataA (-)
Blue	GND
Red	DataB (+)

Note: Length of cable is 1 m

Dimensions, terminals and mounting



Unit: mm (inch)

Weight: 190 g

Note: The unit is mounted on DIN rail (35 mm/1.38 in).

Package content

- ▶ UC-7112-LX Plus
- ▶ Power supply (Input 230 VAC, output 12 VDC @ 1 A)
- ▶ DIN-Rail holder DK-35A
- ▶ Ethernet cross-over cable (RJ45, 100 cm)
- ▶ D-SUB9 cable for RS485

Related products

Product	Description	Order code
InteliSysNTC Hybrid	Hybrid system controller	IS-NTC HYBRID
WebSupervisor 4.0	Cloud-based system designed for monitoring	WebSupervisor 4.0
3rd party device	3rd party device with Modbus RTU/TCP	

Certificates and standards

▶ UL 60950-1 ▶ CSA C22.2 No. 60950-1-03 ▶ EN 60950-1 ▶ EN 55022 Class A ▶ EN 61000-3-2 Class A ▶ EN 61000-3-3 ▶ EN 55024 ▶ FCC Part 15 Subpart B Class A ▶ DNV	 
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