




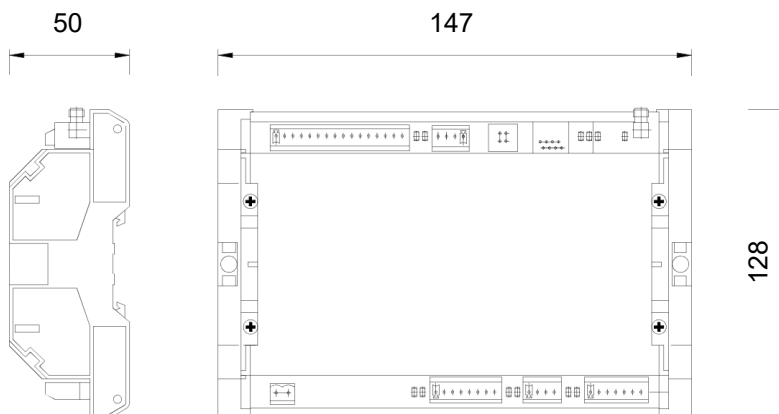
Overview

- Global 4G LTE embedded modem
- Datalogger with records timestamp (RTC, Real Time Clock) synchronized through NTP protocol
- RS232, RS485, USB, Ethernet, Global 4G communication
- M-Bus master (can read up to 20 devices)
- Up to 6 analog inputs (current, voltage, resistance or temp. probe)
- Up to 4 digital inputs (contact, impulse counter, alarm)
- Controller with up to 2 relay outputs (230Vac, 3A)
- Automatic weekly scheduler for relay outputs
- Dimmer with up to 2 analog outputs (0-10V)
- 8GB microSD card included
- FTP client able to send periodic data in csv file format
- Remote configuration and updates through 4G
- Protocols supported: Modbus RTU, Modbus TCP/IP, M-Bus, MQTT, FTP server/client

Characteristics

<p>General</p> <p>Power supply: 9 – 36Vcc Overvoltage protection: >1000V (max. 5 sec) Consumption: <10 VA Internal battery: 3,7V 750 mAh</p> <p>Specifications</p> <p>CPU: Cortex M4 GSM: 850/900/1800/1900 MHz WCDMA: B1/B2/B4/B5/B6/B8/B19 LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/ B18/B19/B20/B25/B26/B28/B66 LTE-TDD: B34/B38/B39/B40/B41 Flash: 8 MB, up to 5 years storage. SD card included 8GB</p> <p>Interfaces</p> <p>RS232: Up to 15m distance, speed up to 57600 bps RS485: Up to 1.2 km distance, speed up to 57600 bps M-Bus: Up to 20 devices USB: Type B, ver. 2.0 Ethernet: RJ45 Twisted pair 10/100 Mb, up to 100m</p> <p>Digital inputs/outputs</p> <p>Digital inputs. 4 sink/contact inputs Relay outputs 2 relay NO/NC 230Vac 3A</p> <p>Analog inputs</p> <p>Current: 0/4-20mA, error 0.15% Voltage: 0-10V, error 0.15% Temperature: PT100 or PT1000</p> <p>Analog outputs</p> <p>2 Voltage 0-10V outputs: load up to 5mA</p> <p>Protocols</p> <p>Modbus RTU, Modbus TCP/IP, M-Bus, MQTT, FTP server/client</p>	<p>LED Indication</p> <p>Power supply Discrete I/O signal status for each port 3G connection status Ethernet status On/Off status of each digital input</p> <p>Working conditions</p> <p>Working temperature: -25 .. +60°C Storage temperature: -40 .. +60°C Humidity range: 5 – 95%, w/o condensation</p> <p>Regulatory approvals</p> <p>EN 55022:2000+A1+AC:2002+A2:2003 EN 55024:2000+A1:2003+A2:2003 EN 61000-4-2+A1+A2:2002 EN 61000-4-3+A1:2004 EN 61000-4-4:2005 EN 61000-4-5:2002+A1:2003 EN 61000-4-6:2002+A1:2003</p> <p>Physical characteristics</p> <p>Dimensions: 147x128x50 mm Weight: 400 g Material: PC/ABS Protection type: IP20</p> <p>Mounting</p> <p>DIN rail</p> <p>Other features</p> <p>Made in EU</p> 
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Dimensions (mm)



Ordering code

MODEL	Interface	Interface	Interface	Interface	Interface	Analog inputs					Analog out.	Dig. inp.	Relay out.	Batt	SD	
UCM	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
0 – None																
1 – RS485																
2 – RS232																
0 – None																
2 – RS232																
0 – None																
1 – M-Bus																
0 – None																
1 – Ethernet																
0 – None																
6 – Global 4G comm																
0 – None																
1 – Current (0..20mA)																
2 – Voltage (0..5V)																
3 – Voltage (0..10V)																
4 – PT100																
0 – None																
1 – One 0..10V output																
2 – Two 0..10V outputs																
0 – None																
4 – Four discrete inputs																
0 – None																
1 – One relay out. (3A)																
2 – Two relay out. (3A)																
0 – None																
1 – Backup battery																
0 – None																
1 – microSD card slot + 8GB card																

Example: **UCM.1001600001041001** UCM-316 with RS485 + Ethernet + 4G + 2x Analog inputs (current) + 4x Discrete inputs + 1x Relay output + microSD card holder

The information contained in this datasheet is subject to change without notice. Make sure you are using the latest version.

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