



# CM100

## Communication module

CM100 is an RTU designed for middle voltage distribution networks.

CM100's support of standard communication protocols lets it seamlessly integrate into existing automation systems to serve as a protocol converter.

CM100 collects and aggregates data from devices connected to RS-485 and RS-232 serial lines, as well as local-area network. The aggregated data is transmitted via cable interfaces or a cellular network.

A built-in GPS/GLONASS receiver is used for high-precision time synchronization.



POLLED DEVICES	8192 measurement values, 4096 digital signals, 2048 commands; up to 240 (IEC 60870-5-101/103/104, Modbus RTU/TCP)
INTERFACES	wired: RS-485 (2400...115200 baud), 100Base-FX, USB; wireless (4G/3G/2G), single/dual SIM: UMTS/HSPA+/LTE, GSM/GPRS/EDGE
CHANNELS AND PROTOCOLS	up to 3 connections (RS-485/RS-232): IEC 60870-5-101, Modbus RTU; up to 14 connections TCP/IP (Ethernet or 4G/3G/2G): IEC 60870-5-104, Modbus TCP, SNMP
TIME SYNCHRONIZATION	built-in GPS-receiver, according IEC 60870-5-101/104, up to 2 SNTP servers
BUILT-IN I/O	please see Order Information
EVENT LOGGING	status of digital input and outputs, diagnostic messages
POWER SUPPLY	10...36 VDC, 55...176 VDC or 120...370 VDC/ 100...265 VAC (45...55 Hz), 10 VA
OPERATING TEMPERATURE, HOUSING	-40...+70 °C, 75 × 70 × 110 mm, DIN rail mounting, IP40

### ORDERING INFORMATION

## CM100-\_\_-C3E1GT-00

Power supply

220 – 120-370 V DC, 100-265 V AC (50 Hz) 110 – 40...160 V DC 24 – 18...36 V DC