

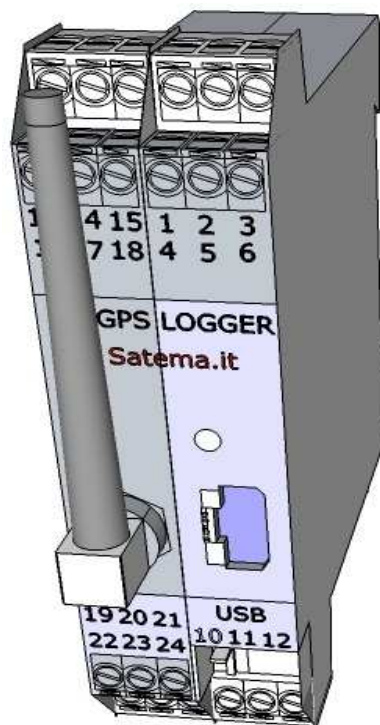
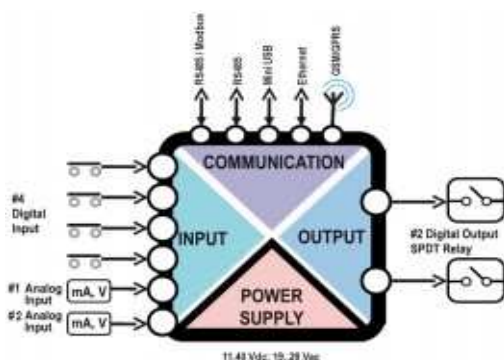
CZ-UMTS STAND ALONE DOUBLE CHANNEL ANALOG DATA LOGGER

CZ-UMTS is a stand alone smart logger for GSM/GPRS/UMTS wireless data network. Fully and freely expandable as master device on modbus RTU serial field bus. Suitable for open range applications of DAQ (data acquisition and storage). Three different data transfer mode:

- 1- via gsm/gprs modem like as mobile cellphone applications.
- 2- via Internet bridging by web server or ftp communication protocols.
- 3- via memory stick mass storage on removable support micro SD card.

Transceiving of input/output front end signals as commands, measures and alarms.

Applications : photovoltaic plants, building automation, telemetry, M2M communication , industrial remote controls, environmental energy, power harvesting.



TECHNICAL SPECIFICATIONS

Supply:	11..40 Vdc; 19..28 Vac ((by pin or bus connection)s); max 2 W (standby) 6,5 W max abs.
Electrical insulation :	< 500V ac between supply to I/O front end
Water protection rating:	IP20
Operative Temperature :	-10...50°C
Sizing:	100x112x35 -Weight = 280 g
Housing:	PTB black
Screw connectors:	2,5 mm ² ; 35mm DIN rail mounting
I/O:	2 analog channels 0/4 ...20mA, 0...30 Vdc 4 digital channels transistor PNP,NPN counter @32bit up to30HZ input voltage max 30V dc 2 relay output SPDT max 2A 250 Vac
Communication:	serial interface # 1 RS 485 Modbus, configurable baud rate. serial interface # 2 RS 485 set on screw terminals MinUSB type B OST interface Ethernet 10/100 Mbps on rRJ45 interface
System Protocol:	FTP, SMTP, POP3, HTTP, MODBUS TCP, MODBUS RTU, configurable owner custom serial protocol
Processing/ memory:	ARM Cortex microcontroller M4 ,CPU 100 MHZ, 32 bit, RAM 128
Flash memory:	512 kB + 2 MB (log)
Expandable memory:	microSD card up to 32 GB
Datalogging:	measuring, alarms, logging and storage on embedded memory stick microSD
Starting up configuration:	by E-Mail, SMS message, FTP, WEB server Functions and tool libraries: data exchanges on GSM/GPRS; alarms folder; datalog sending; e-mail,sms,ftp,web server, ring tones command; archives managing on command and output alarms (up to 270); Modbus RTU Master/Slave, Modbus TCP-IP
Modem:	Quad band 850/900/1800/1900 MHz
EC conformity :	EN 301511, EN 301489-1/7, EN 60950



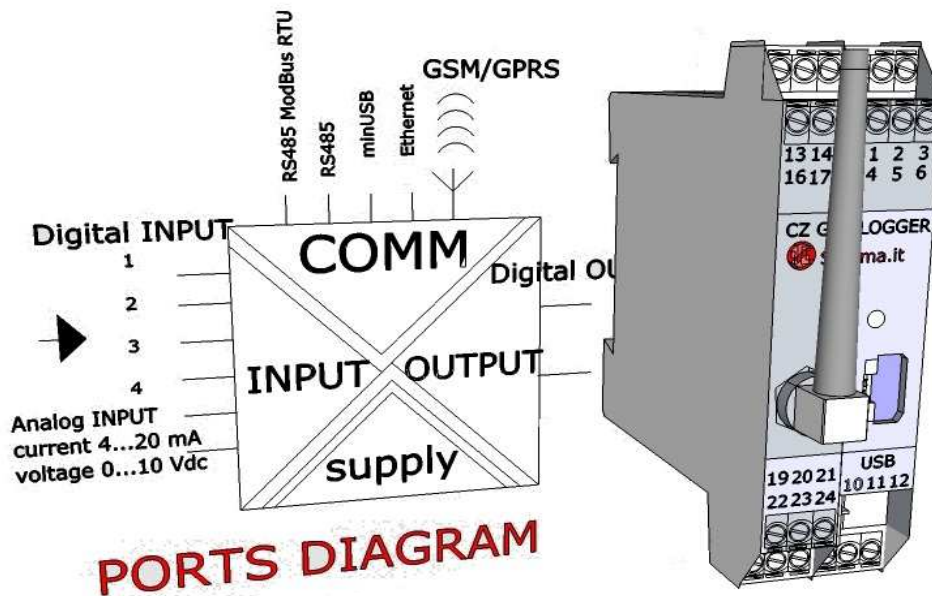
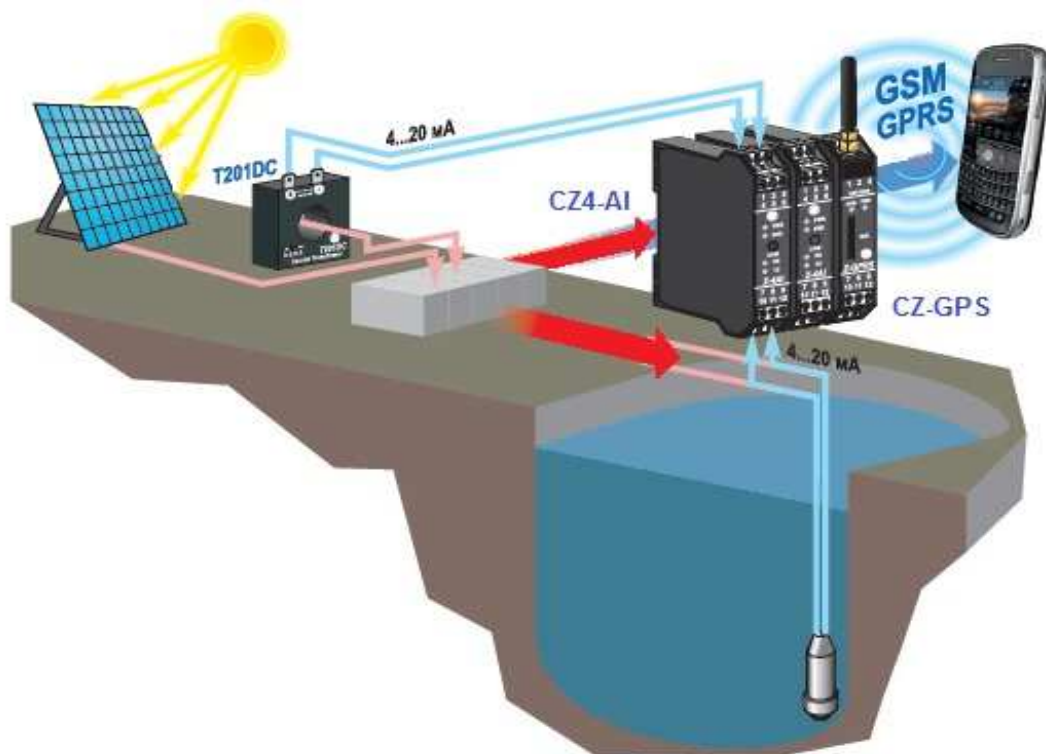
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APPLICATION SKETCH



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