

Z-LTE



4G/LTE WW Datalogger with built-in I/O, remote control functions and voice commands

TECHNICAL DATA

GENERAL DATA

Power Supply	11..40 Vdc, 19..28 Vac
Power transducers	Yes
Power consumption	Max 6,5 W
Built-in UPS / Rechargeable battery	Yes (max autonomy 60 minutes)
LED status indicators	Power supply, GSM, 4G network logging, Input/Outputs/SD card status, Ethernet
Connections	3-way screw terminal blocks (5 mm pitch for cable up to 2.5 mm ²)
Micro USB port	Yes
MicroSD slot	Yes
Voice Alarms and DTMF Commands	Yes
Isolation	1.500 Vac
Protection degree	IP20
SIM	"Push-push SIM slot for mini SIM 15x25 mm
Operating temperature	-10..+50°C
Weight	280 g
Dimensione (wxhxd)	100 x 112 x 35 mm
Mounting	35 mm DIN rail, IEC EN60715
Case	PBT, black

I/O CHANNELS

Digital Inputs	Nr. 4 channels PNP, NPN, max 30 Hz (4 counters/totalizers @32bit)
Analog Inputs	Nr. 2 channels, voltage range (0..30 Vdc); current (0..20 mA); accuracy 0,1% f.s.
Digital Outputs	Nr. 2 relay channels SPDT max 2 A 250 Vac
ModBUS I/O expansion	Yes

COMMUNICATION

Communication ports	Nr.1 Ethernet 10/100 M (RJ45), Nr.1 RS232/RS485 switchable (clamp), Nr.1 RS485 ModBUS, Nr.1 Micro USB B Host prog. Local Host
Protocols	FTP client,SMTP , http rest (TLS), MQTT (TLS), ModBUS TCP Client/Server, ModBUS RTU Master / Slave, Https, SMTP with SSL/TLS,
Modem	· Multiband M2M/IoT, 4G / LTE World Wide · LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/ B19/B20/B25/B26/B28 · LTE-TDD: B38/B39/B40/ B41 · WCDMA: B1/B2/B4/B5/B6/B8/B19 · GSM: B2/B3/B5/B
GPS	GPS / GLONASS / BeiDou (compass) / Galileo / QZSS
Transparent Gateway	Yes

PROCESSING, MEMORY

Flash (serial)	8 MB
Expandable memory	Micro SD card included (up to 4 GB) expandable up to 32 GB (dedicated slot)
Datalogger	Measurements, alarms, events, logging on Micro SD card and Flash
Synchronous Datalogger	Minimum sampling time 1 minute
Asynchronous Datalogger	Up to 8 trigger events with max. input freq. 1 Hz

SETTINGS

Programming environment	SEAL (SENECA Advanced Language)
Max. number of logic blocks (SEAL)	32
Max variables managed per device	100 + 39 (embedded)
HMI and data management	Cloud BOX (web app)
Variables and trends visualization tool	Log Factory
Web Server	Yes
DIP-switch	Yes
Mobile app	SENECA SMS

MAIN FUNCTIONS

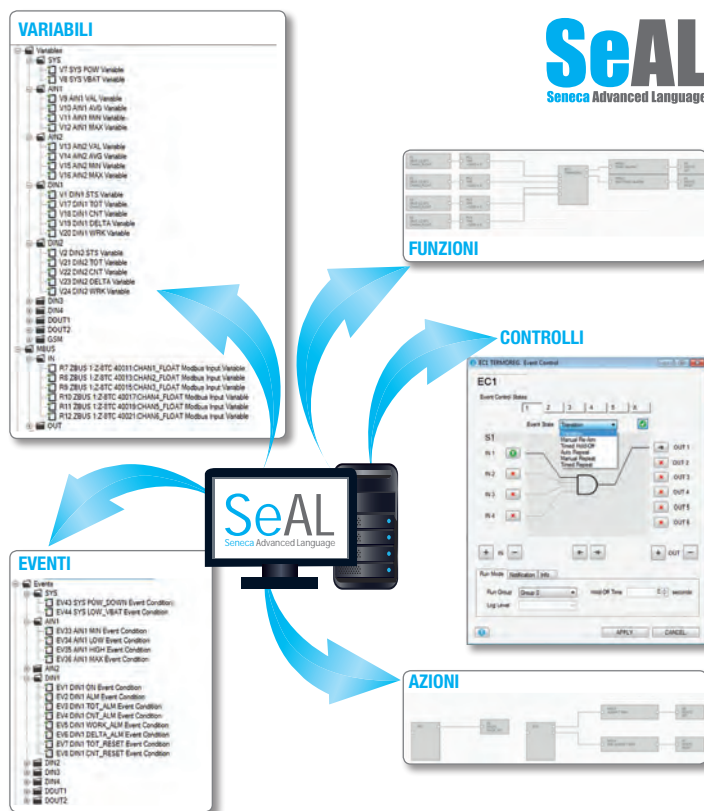
Settings	Projects, Email, Counters, Timers, Variables, I/O, Thresholds, Controls, and Bit Operations
Character encoding	UTF8/UNICODE support
Firmware update	SD Card, USB port, external Ftp, web server
IoT / Cloud Support	http post, MQTT, CloudBOX compatibility
Advanced mathematical functions	Yes
DynDNS support	Yes

STANDARD

Approvals	CE
Norms	EN 61000-6-4, EN 61000-6-2, EN 301511, EN 301489-1, EN 301489-7, EN 60950

SEAL

SEAL (Seneca Advanced Language) is an advanced management software that allows, through object oriented programming, to manage commands, automations, alarms, thresholds, reporting with the possibility of remote configuration and updating via SIM or static IP.



ORDER CODES

Code	Description
Z-LTE-WW	4G/LTE World Wide ModBUS Datalogger with built-in I/O, remote control functions and voice commands

ACCESSORIES

A-GSM	External GSM dual band swing antenna 3.2 m cable
A-GSM-DIR-5M	Triband GSM-DECT-UMTS SMA-M compact directional antenna, 5 mt cable
A-GSM-OMNIDIR	Omnidirectional GSM-UMTS-WIFI antenna, 5.1 dB, SMA-M. 5 mt cable
A-GSM-OMNIDIR-10	Omnidirectional antenna GSM-UMTS-WIFI, 5.1 dB, SMA-M. cable 10 mt
A-GSM-QUAD-N	Omnidirectional external antenna 4G/WI-FI, FME, 3 mt cable
A-GPS-SMA	GPS antenna with SMA connection
CU-A-MICROB	USB-A Micro USB-B 5 P plug cable
EASY-USB	USB - UART TTL Converter
FD01	Photodetector for pulse counting
Z-PC-DINAL1-35	DIN rail quick mounting bracket, head +1 slot, 35mm
Z-PC-DIN1-35	DIN rail quick mounting bracket, 1 slot, 35mm
Z-PC-DIN4-35	DIN rail quick mounting bracket, 4 slot, 35mm

SOFTWARE

SEAL	SENECA Advanced language, graphic - object oriented advanced programming environment
LOG FACTORY	Data visualization and archiving tool
OPC-DA-SERVER	Communication and data exchange software OPC Server DA I/O, unlimited tags (hardware license)
OPC-UA-SERVER	Communication and data exchange software OPC Server UA I/O, unlimited tags (hardware license)



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