

Micro Scada Industrial IoT BOX

Highlights

- Built-in license free Micro SCADA for data visualization, send commands, email dispatcher, alarm and event log
- Data Recovery System
- Compatibility with SENECA advanced dataloggers advanced, RTUs, communication devices
- Compact fanless case
- 50 devices /5000 tags (100 per device) management
- Communication protocols: HTTP, HTTPS, FTP
- Data export and backup
- User friendly interface through synoptic and dashboard pages with
- HMTL5 and CSS3

Cloud BOX is a compact fanless PC Server IoT Cloud based system compatible with data logger, RTU and SENECA communications devices.

Cloud BOX is a system that can collect, store and visualize data, events and historical files of connected devices through HTML5 vector graphics web pages.

It also allows you to send commands to devices even without static or unreachable IP address.

Cloud BOX is accessible by custom and responsive web pages both locally and remotely, offering a Micro Scada in the Cloud service.

Cloud BOX offers an automated storage and retrieval system, without any data loss, in case of temporary lack of communication.









Cloud BOX - Micro SCADA













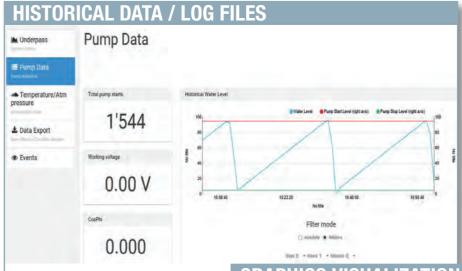


Cloud BOX provides several widgets (input status, chart, bars etc), i.e. element that represent the status of connected devices.

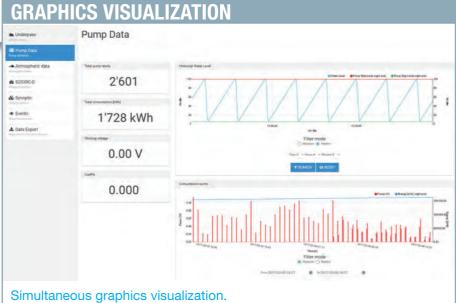
From these widgets are achievable responsive web pages (PC, tablet, smartphone) dashboardtype (eg. historical data, commands, events management, trend) or supervision interface.

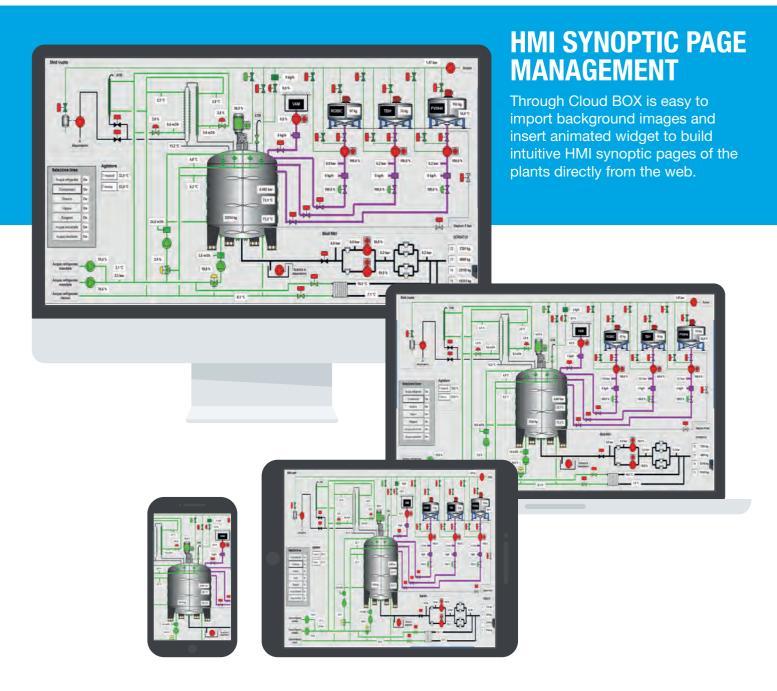


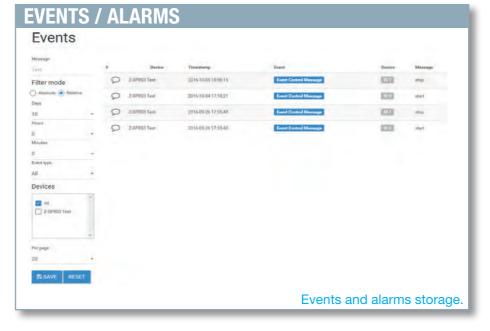
Access Micro Scada on your mobile device by QR-code

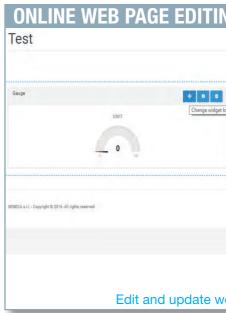


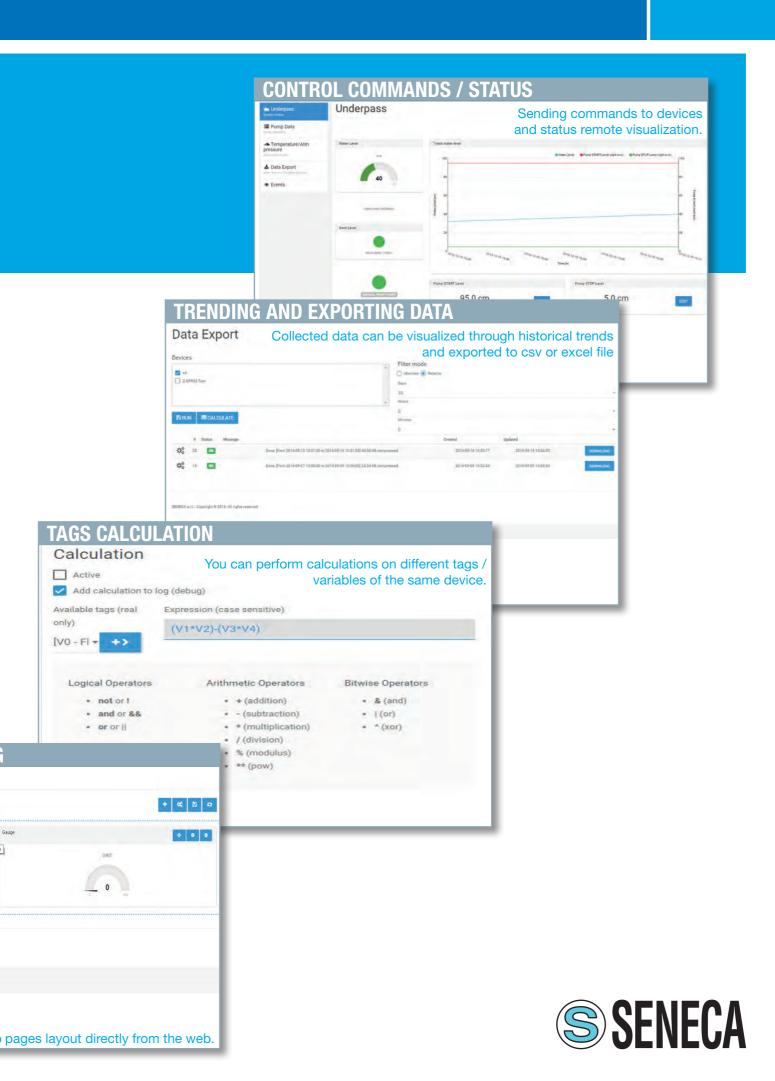
Historical data for statistical analysis.





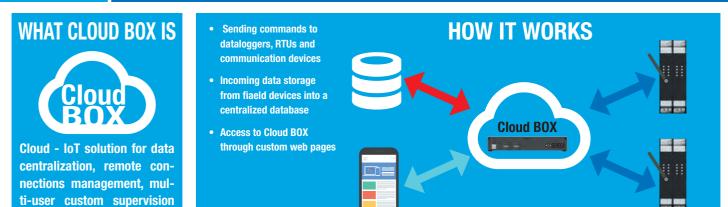


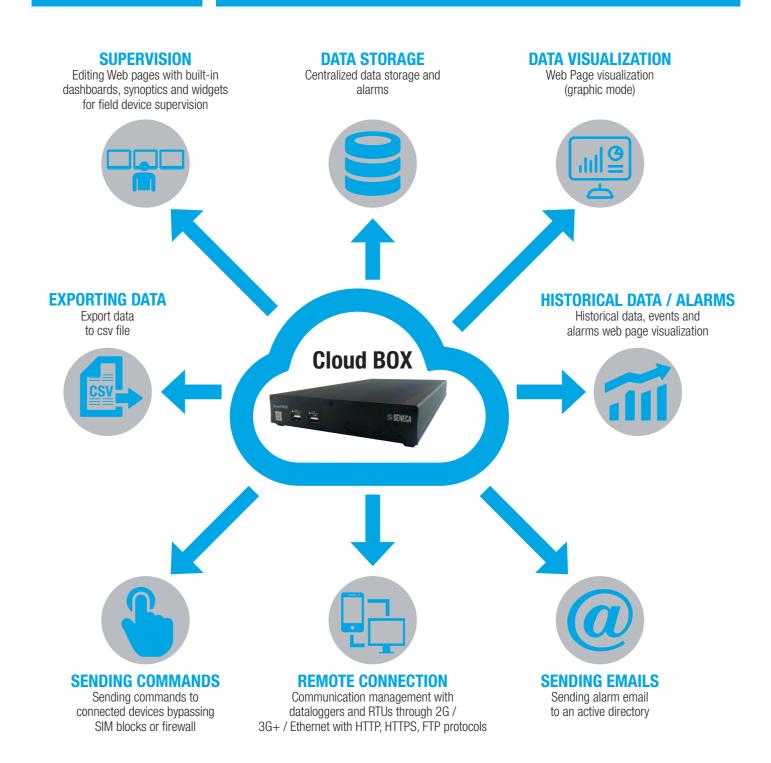




Cloud BOX - Overview

pages editing.





Cloud BOX - Technical Data



Micro Scada Industrial IoT BOX



TECHNICAL DATA	
GENERAL DATA	
Power Supply	230 Vac -15 +10 % with external power supply, 90 W max
Operating temperature	0 °C - +40 °C
Storage temperature	-20 °C - +85 °C
Protection degree	IP20
Dimension	185,14 x 32 x 205 mm
Factory IP adress	Configured in DHCP
Supported SIM card	M2M standard
Case	Compact, fanless
Normative	CISPR 22, 24 EN 55022, 55024 EN 61000-3-2, EN 61000-3-3 IEC/EN 61000-4-2, 61000-4-3, 61000-4-4, 61000-4-5, 61000-4-6, 61000-4-11 EN 60950-1
HARDWARE DATA	
Processor	Intel x86
Processor Speed	1.86 GHz
Nr. Core	2
Cooling systen	Fanless
Front side I/O	Nr 2 USB 2.0 ports, On-Off button
Rear I/O	Nr 2 USB 2.0 ports for high currents Nr 2 USB 2.0 ports Nr 1 VGA port Nr 1 HDMI port Nr 1 LAN 1Gb port Nr 2 Jack Audio Nr 1 power supply jack (8 V to 19 V)
RAM (min size)	2 GB
Memory speed	1066MHz
Hard disk	SSD mSATA
Supply Voltage	8~19 V through external power supply
Power Input	Onboard DC jack
MICRO SCADA DATA	
Funzioni	Telemetry visualization Sending commands Historical data analysis Alarms / Events log analysis
Media	Desktop, Tablet, Smartphone, Smart TV
Synoptics	Yes
Dashboard	Yes
Widget	Yes
Browser	Chrome, Android, ioS
Data export format	CSV
Software	SEAL, SDD (Seneca Discovery Device)

Max 50

http, https, Ftp

Max 100 per dispositivo

With public static IP address

LOGIC CONNECTION



For each connection Cloud BOX can receive data from devices and send asynchronous commands according to the widget settings in the dashboard. If the device is not able to send data to the Cloud BOX, these are stored inside. Recovering connection Cloud BOX retrieves the data range missing from the device.

ALARM DISPATCHER



You can define a phone directory with a virtually unlimited number of users to whom send alarm email. Cloud BOX receives real-time alerts from the field and them forwards users.

ORDER CODES	
Code	Description
CLOUD BOX	Micro Scada / Industrial IoT BOX
SOFTWARE	
SEAL	SENECA Advanced language, software prog. avanzata
SDD	SENECA Discovery Device, IP scanner
SUPPORTED DEVICES*	
Z-GPRS3	GSM/GPRS datalogger with built-in I/Os, telecontrol functions, voice alarms
Z-LOGGER3	Datalogger with built-in I/Os, voice alarms
Z-UMTS	3G+ datalogger with built-in I/Os, telecontrol functions, voice alarms
list to be evanded	

flist to be expanded



CONNECTIVITY Connectable devices

xDSL conection

Connection protocols