

# SOLUTIONS 10T CLOUD SOLUTIONS





# **IOT CLOUD SOLUTIONS**

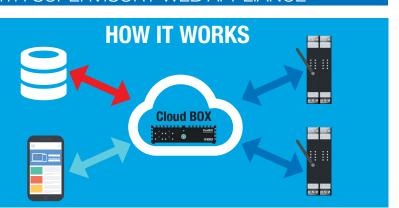
# CLOUD BOX - INDUSTRIAL IOT BOX WITH SUPERVISORY WEB APPLIANCE

# WHAT CLOUD BOX IS

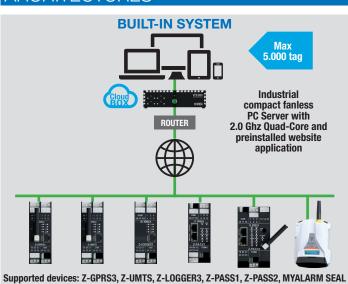


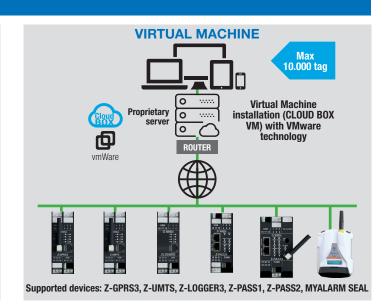
IoT - Cloud solution for data centralization, remote connections management, multi-user custom supervision pages edit-

- Sending commands HOW IT WORKS to dataloggers. RTUs and communication devices
- Incoming data storage from fiaeld devices into a centralized database
- **Access to Cloud BOX** through custom web
- Available in built-in version or Virtual Machine VmWre with third parties



# ARCHITECTURES





# **HIGHLIGHTS**

### **HARDWARE**

Compact fanless PC



**USER ACCESS** 

Flexible and protected mult-user /

multidevice access

# WEB APPLICATION

Intuitive interface with HTML5 and CSS3 technologies



**SUPERVISION** 

Responsive web pages editing with

built-in dashboards, synoptics and

widgets for field devices supervision

**SUPPORTED DEVICES** It can be used together with Z-GPRS3. Z-UMTS, Z-LOGGER3, Z-PASS1, ZPASS2, MYALARM SEAL



Data and alarms centralized storage Max storage time 10 years



## **DATA STORAGE**

Min sample time 1 min



# **DATA EXPORT AND**

Backup, data recovery automatic system and export data to csv file



# HISTORICAL DATA / ALARMS

TAGS MANAGEMENT

Limit quota up to 10.000 tags (Virtual

Machine) or 5.000 tags (physical

Alarms, events, data history visualization on web pages



# **SENDING COMMANDS**

Sending commands to connected devices bypassing SIM locks and firewals (compatibility wth any data/M2M SIM)



# REMOTE CONNECTION

Communication management with datalogger by 2G/3G+ / Ethernet and HTTP, HTTPS, FTP protocols



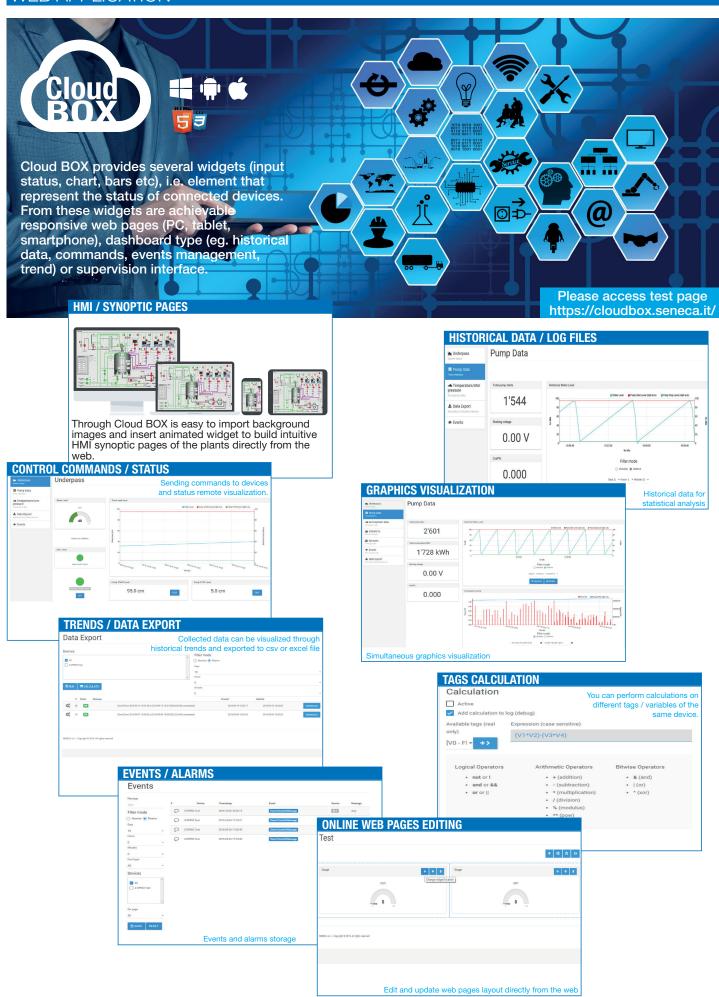
## SENDING EMAIL OR TELEGRAM MESSAGE **RECOVERY**

Sending email or alarm telegram message to phonebook

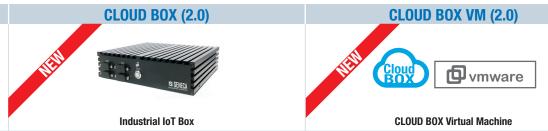




# WEB APPLICATION



# **IOT CLOUD SOLUTIONS**



PHYSICAL SERVER				
GENERAL DATA				
Power supply	12 Vdc (power supply unit included)	-		
Operating temperature	0+40 °C	-		
Storage temperature	-20+85 °C	-		
Dimension (D x W x H)	165 x 185 x 48 mm	-		
Factory default IP address	DHCP configured	-		
Case / CPU cooling	Compact / Fanless	-		
Conformity	CE, FCC, RoHS, ErP Ready	-		
Mounting	Wall / DIN rail mounting	-		
HARDWARE DATA				
CPU	Intel Celeron J1900 2.0 GHz Quad-Core	-		
RAM	4 GB DD3L-1333	-		
Hard Disk	64GB mSATA SSD	-		
LAN Controller	Intel 211-AT Gigabit LAN	-		
INTERFACES				
USB	Nr.3 USB 2.0 ports, Nr.1 USB 3.0 port	-		
LAN	Nr.2 RJ45 (1 available)	-		
Video	VGA, HDMI	-		
SOFTWARE APPLIANCE				

JULI WAILL ALL LIANUL					
ACCESS, TAG, DEVICES					
Supported SENECA devices	Z-GPRS3, Z-UMTS, Z-LOGGER3, Z-PASS1, Z-PASS2, MYALARM SEAL, Z-KEY	Z-GPRS3, Z-UMTS, Z-LOGGER3, Z-PASS1, Z-PASS2, MYALARM SEAL, Z-KEY			
User access	Access to multiple areas and groups, logo customization	Access to multiple areas and groups, logo customization			
Device operation time monitoring	Yes	Yes			
Total number of tags	Max 5000	Max 1.000 / 5.000 / 10.000			
SUPERVISION					
Dashboard	Yes	Yes			
Synoptic	Yes	Yes			
Widget	Yes	Yes			
Responsivity	Yes	Yes			
DATA, ALARMS, EVENTS MANAGEMENT					
Real-time telemetry visualization	Yes	Yes			
Historical data analysis	Yes	Yes			
3	Yes	Yes			
Data storage	Local storage database	Local storage database			
Max datetime storiage	Selectable up to 10 years	Selectable up to 10 years			
Data export	CSV	CSV			
COMMANDS					
Sending command to connected SENECA devices	Yes	Yes			
Sending alarm email to phonebok	Yes	Yes			
SW / OS / VIRTUAL MACHI	NE				
Related software	SeAL, Log Factory, SDD (Seneca Discovery Device)	SeAL, Log Factory, SDD (Seneca Discovery Device)			
Virtual Machine VMWare	No	Yes, mandatory			
Supported browser	Google Chrome	Google Chrome			
Supported media	Desktop, Tablet, Smartphone, Smart TV	Desktop, Tablet, Smartphone, Smart TV			
Supported 0.S.	Windows, Android, iOS	Windows, Android, iOS			
CONNECTIONS					
Server configuration	Yes	Yes			
Static and public IP address	Yes, recommended	Yes, recommended			
Connection protocols	HTTP, HTTPS, FTP	HTTP, HTTPS, FTP			
API integration	Yes	Yes			

ORDER CODES				
Code	Description	Code	Description	
CLOUD BOX	Micro Scada / Industrial IoT Box, max 5.000 tags	CLOUD BOX VM-10K	Virtual Server license for data acquisition from SeAL RTU, up to 10.000 tags	
CLOUD BOX VM-D	Virtual Server for data acquisition from SeAL RTU, up to 1 demo device / 150 tags	CLOUD BOX VM-UP1	Virtual Server license upgrade for data acquisition from 1.000 to 5.000 tags	
CLOUD BOX VM-1K	Virtual Server license for data acquisition from SeAL RTU, up to 1.000 tags	CLOUD BOX VM-UP2	Virtual Server license upgrade for data acquisition from 5.000 to 10.000 tags	
CLOUD BOX VM-5K	Virtual Server license for data acquisition from SeAL RTU, up to 5.000 tags	CLOUD BOX VM-UP3	Virtual Server license upgrade for data acquisition from 1.000 to 10.000 tags	

