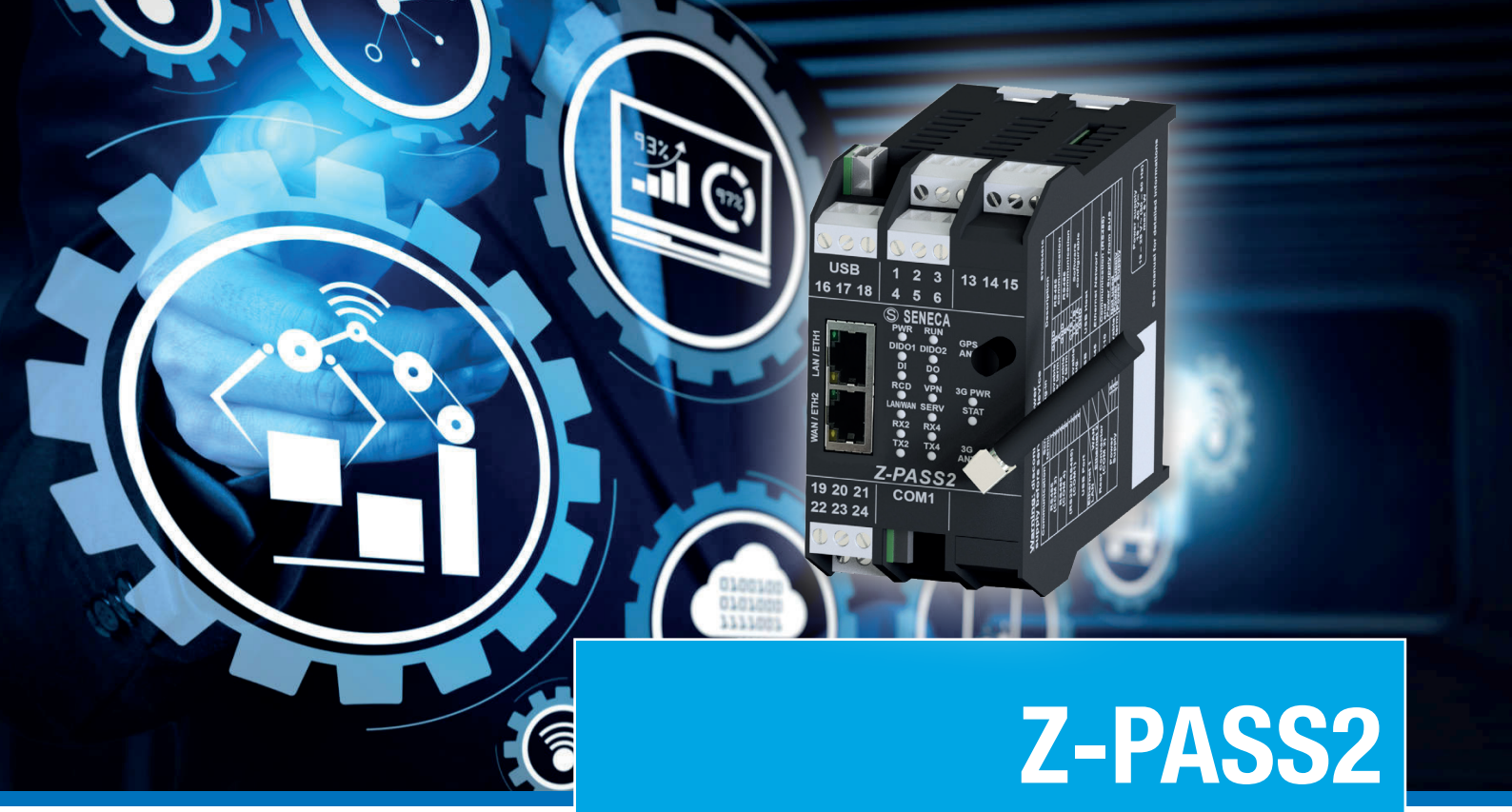


Z-PASS2

INDUSTRIAL GATEWAY WITH VPN SUPPORT, SERIAL DEVICE SERVER, 3G+/4G ROUTER, BUILT-IN GPS AND I/O

Highlights

- Industrial Gateway, Serial Device Server, 3G+/ 4G+ Router
- Supported protocols: ModBUS TCP Server, ModBUS RTU Master/Slave, FTP/SFTP Server, HTTP/HTTPS Server, OpenVPN, SSL, MQTT, OPC UA
- No. 2 Fast Ethernet ports10/100Tx on front RJ45
- Nr.1 switchable serial portRS232/ RS485
- Nr.2 RS485 serial ports
- Nr.1 USB host port
- Nr.1 modem worldwide pentaband 3G+ or 4G LTE with integrated GPS
- Safety Interlock
- Nr.6 built-in digital I/O channels
- Remote access functionality (P2P) and Remote Control (Single LAN) withLET'S platform
- Cloud BOX System

Z-PASS2 is a multi-function device (industrial gateway / serial device server / Router 3G+ or 4G) able to manage up to a maximum of 32 clients, ideal for industrial and IoT/Cloud applications.The device has 1 digital input for safety interlocking of the remote connection, 1 digital output for signalling of VPN connection in progress (associated with status LEDs) and 4 general purpose configurable digital channels. Equipped with 2 Fast Ethernet ports (manageable in Switch and LAN/WAN mode),3 serial ports and 1 USB host 2.0 port, Z-PASS2 supports ModBUS TCP Server, ModBUS RTU Master/Slave, FTP / SFTP Server, HTTP / HTTPS server, OPC UA Server, OpenVPN, SSL protocols.
Z-PASS2 also performs VPN / Tunnel communication functions , 3G+ or 4G / Ethernet router and redundant communication system thanks to penta-band 3G+ modem worldwide or 4G / LTE with integrated GPS. The device is easily configurable via Web Server. Z-PASS2 is integrated both in the LET'S platform where it can support Point-To-Point (remote assistance) and Single LAN connections (remote control) both in the Cloud BOX system of supervision and data centralization. In both systems it can rely on physical servers as well as virtual.

3G+/4G | OPC UA | MQTT | BUILT-IN I/O | LET'S VPN CONNECTIVITY SOLUTIONS | Cloud BOX

100% Made & Designed in Italy

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Z-PASS2



INDUSTRIAL GATEWAY WITH VPN SUPPORT, SERIAL DEVICE SERVER, 3G+/4G ROUTER, BUILT-IN GPS AND I/O

TECHICAL DATA

GENERAL DATA

Power supply	19..40 Vdc; 19..28 Vac
Power consumption	Typical 4 W @ 24Vac, Max 6 W
Isolation	1500 Vac
LED status indicators	Power supply / Ready to use; Input/output status; Remote connection (RCD); VPN connection (VPN) LAN/WAN (Ethernet LAN/WAN mode); SERV (VPN BOX Service); Rx-Tx serial communications; Ethernet links and traffic
Protection degree	IP20
Flash Memory (data)	1 GB
RAM	64 MB
Micro SD board	Max 32 GB
I/O channels	1 DI VPN connection enabled; 1 DO VPN connection in progress; 1 DI for generic use; 1 DI for generic use; 2 DI/DO configurable
Operating temperature	-20 °C..+65 °C
Dimension (wxhxd)	100 x 52,5 x 112 mm
Weight	280 g
Case	Black plastic PA6 glass filled
Mounting	For 35 mm rail IEC EN 60715

COMMUNICATION

Ethernet ports (ETH1, ETH2)	Nr. 2 Fast Ethernet 10/100Tx ports on RJ45 front panel
Serial ports (COM1, COM2, COM4)	Nr. 1 RS232 / 485 serial port switchable via software, max baud rate 115k on connector Nr. 1 RS485 port, max baud rate 115kbps on IDC10 connector for bus and terminals Nr. 1 RS485 port, max baud rate 115kbps on terminals
USB ports	Nr. 1 USB host port on side type A connector
Modem 3G+ / GPSS / GNSS	3G+ Model Global GSM /GPRS/EDGE Quad-band / UMTS/HSPA+ Penta-BAND
Modem 4G / GPSS / GNSS	4G/LTE Model (Europe, Africa, Middle East, Korea, Thailand, India); 4G LTE BAND 6-Band
GPS	Yes: GPS & GLONASS
Protocols	ModBUS TCP server, ModBUS RTU master/ slave, FTP/SFTP server, HTTP/HTTPS server
IoT protocols	MQTT, OPC UA, http post
Operating mode	Modbus Gateway; Modbus Gateway shared memory; Transparent Gateway; WiFi Access Point; 3G+ (4G)/ Ethernet Router

CONNECTIVITY

Nr Max Client TCP-IP (Server Mode)	32
Nr Max Client variables / Tags	2000
Nr Max Slave nodes Modbus RTU/ASCII	128
Nr Max Client VPN	Point-To-Point: 1; Single LAN: 496

SECURITY

Remote access lock	Mechanical, Digital Input
LAN/WAN network division	Yes
Data Encryption / Authentication	128bit / SHA1 160 bit
Fixed TCP-IP ports for remote assistance	Yes
Security protocols	OpenVPN, SSL

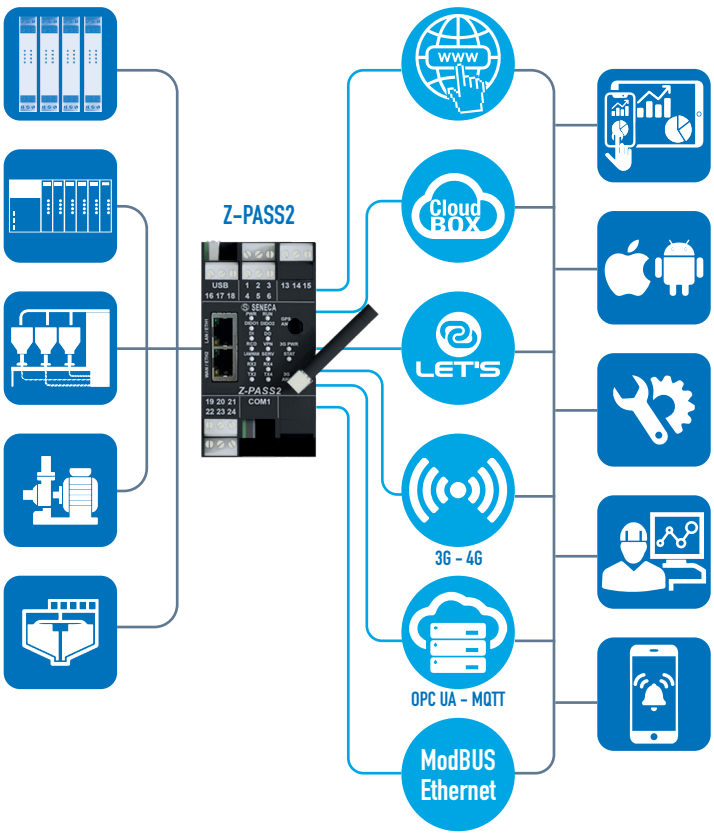
SETTINGS & SOFTWARE

Web server	Yes
VPN management software	VPN BOX Manager, OpenVPN, VPN Client Communicator (PC software and mobile App)
SDD (Seneca Discovery Device)	Yes
SESC (Seneca Ethernet to Serial Connection)	Yes
Advanced functions	Advanced Diagnostics; SD Card Datalogging; IF THEN ELSE Logic; LET'S remote assistance / remote control support; Cloud BOX support; Third-Party Cloud Support

STANDARD

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

CONNECTION SOLUTIONS



ORDER CODES

Code	Description
GATEWAY	
Z-PASS2-IO	Industrial Gateway/Router with VPN support - Serial Device Server with integrated I/O, GPS and 3G+/4G LTE modem
SERVER VPN	
VPN BOX	LET'S - VPN server optimized for Point-to-Point / Single LAN connections
VPN BOX VM	LET'S - Virtual Machine VPN Server optimized for Point-to-Point / Single LAN connections
VPN BOX-D	LET'S - Test service on SENECA VPN BOX valid for 30 days max 2 devices
VPN BOX VM-D	LET'S - Virtual Machine VPN Server optimized for Point-to-Point / Single LAN connection max 2 devices (DEMO version)
VPN BOX MANAGER	LET'S - VPN BOX and VPN Network Management Configuration Software
VPN CC LET'S -	VPN Client Communicator, Remote Access Management Software
SERVER CLOUD	
CLOUD BOX	Micro Scada / Industrial IoT Box, max 5,000 tags
CLOUD BOX VM-D	Virtual Server for data collection from RTU SeAL, max 1 demo device / 150 tags
CLOUD BOX VM-1K	Virtual Server License for data acquisition from RTU SeAL max 1,000 tags
CLOUD BOX VM-5K	Virtual Server License for data acquisition from RTU SeAL max 5.000 tags
CLOUD BOX VM-10K	Virtual Server License for data acquisition from RTU SeAL max 10,000 tags
CLOUD BOX VM-UP1	Virtual Server license upgrade for data acquisition from 1,000 to 5,000 tags
CLOUD BOX VM-UP2	Virtual Server license upgrade for data acquisition from 5,000 to 10,000 tags
CLOUD BOX VM-UP3	Virtual Server license upgrade for data acquisition from 1,000 to 10,000 tags
CONFIGURATORS	
VPN Client Communicator	Client software for VPN networks managed by VPN BOX
VPN CC Mobile	VPN Client Communicator app mobile
SENECA SMS	Command management app
SDD	SENECA Discovery Device, IP scanner for Z-KEY, Z-PASS1, Z-PASS2
SESC	SENECA Ethernet to Serial Connection for Z-KEY, Z-PASS1, Z-PASS2
TEMP-TAG-Z-PASS	Excel Template Gateway Mode Tag Management - Z-PASS-1/2/2S
ACCESSORIES	
CS-TIP-MEF-PH	Serial communication cable (Test leads / 4-way female connector) for Z-TWS4, Z-PASS1/2
CS-DB9M-MEF-PH	Serial communication cable (DB9M connector / 4-way female connector) 3 wires mt 1,5
CE-RJ45-RJ45-R	Straight Ethernet cable (RJ45 / RJ45)
MSD	Micro SD memory card with adapter
Z-PC-DINAL2-52.5	DIN rail quick mounting bracket - HEAD +2 SLOT P=52.5mm
Z-PC-DIN4-35	Supporto per montaggio rapido su guida DIN 4 slot passo 35 mm
Z-PC-DINAL1-35	Supporto per montaggio rapido su guida DIN testa + 1 slot passo 35 mm
ANTENNAS	
A-GSM	External multi-band butterfly antenna with 3 m cable and male SMA connection
A-GSM-DIR-5M	Compact GSM-DECT-UMTS directional antenna
A-GSM-OMNIDIR	Omnidirectional GSM-UMTS-WIFI Antenna
A-GSM-OMNIDIR-10	Omnidirectional GSM-UMTS-WIFI antenna with 10 m cable length
A-GSM-QUAD-N	GSM/3G/4G/LTE high performance omnidirectional antenna
A-GPS-SMA	External GPS antenna with magnetic base and male SMA attachment

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