IIoT GATEWAY
with EXPANDABLE and PROGRAMMABLE I/O

we500+

INDUSTRIAL GATEWAY

We500+ is a programmable industrial gateway that allows an extensive control of machines thanks to the advanced operating logics.

The MQTT/Modbus (RTU and TCP/IP) protocols, together with the existing I/O, allow the monitoring and control of a high number of signals. All collected signals can be delivered to Nethix Cloud or to any third party Cloud.

It communicates via Chat, SMS and E-mail.
The VPN (Standard Open VPN) is also supported and allows to access remotely any device, independently from the used connection.

The device can also be used as datalogger, allowing the storage of a high quantity of data inside the internal memory (or on external USB support); data can be then displayed on the Web Interface or exported at any time.

DESIGN TO MEET YOUR REQUIREMENTS

WE500+ is available in 2 versions:

WE500+ 4G
Ethernet
Wi-Fi
LTE

WE500+ LAN
Ethernet
Wi-Fi

NETHIX
WE CONTROL

IoT solutions for the neXT generation

TECHNICAL SPECIFICATIONS

Power supply	9-32 VDC
Inputs	2 Analog inputs 0-5 VDC | 0-10 VDC | 0-20 mA | 4-20 mA | NTC 8 Digital inputs (dry contact) Mode: Counter | On/Off | Hour meter | Flow meter
Outputs	2 Relay outputs (1 A 230 VAC / 30 VDC)
Porte	USB Type-A (for data storage on USB device) 2 RS232 serial ports 1 RS485 serial port
Consumption	Average 500 mA, peak 2 A
Dimensions (L × W × H)	45 × 120 × 100 mm
Weight	280 g
Working temperature	-15 °C — +50 °C
Storage temperature	-25 °C — +85 °C
Humidity	0% — 80% (non condensing)

MANAGE YOUR DEVICE THROUGH

WEB SERVER
Log through browser with no need of additional software

CHAT
Communicate from your smartphone

MAIN FUNCTIONS

- Input/output monitoring and control
- Modbus Client RTU/TCP
- Modbus Server RTU/TCP
- Built-in Web Server Integrato
- Scheduler
- Datalogger
- Remote software upgrade
- Configuration backup/restore
- Multi-level user and groups
- Advanced events management

- Alarms via SMS/Email/Chat
- Commands via SMS/Email/Chat
- Real-time graphs
- Plug-ins support
- IPcam support
- VPN

DATA DELIVERY

- Nethix Cloud
- Email report
- Chat
- HTTP/HTTPS

- MQTT/MQTTS
- FTP/FTPS
- Dropbox

APPLICATIONS

- Water and gas
- Energy and environment
- Industrial automation
- Predictive maintenance
- Remote access to PLC/HMI/PC
- Building automation
- Broadcast and telecom

USE MODES

STANDALONE
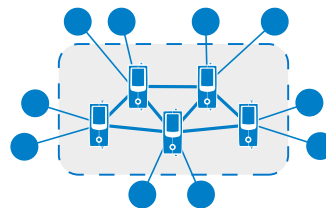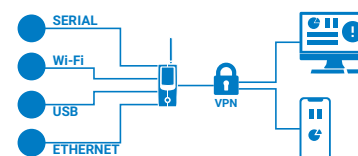Point-to-Point communication and data delivery from the machine to the Cloud/Operator.

MULTI NODE
The devices are nodes of a network, where the single nodes can communicate with each other thanks to MQTT protocol.

CLIENT/SERVER
Two or more devices communicate each other according to a client-server architecture.

REMOTE ACCESS
Remote communication with any device or machine connected to one of the serial interfaces (or USB).

CODE	PRODUCT	DESCRIPTION
90.10.010	WE500+ 4G	Remote gateway with LTE, Wi-Fi e LAN connectivity
90.10.011	WE500+ LAN	Remote gateway with Wi-Fi e LAN connectivity

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