

IIoT GATEWAY with integrated PLC



we500+ PLC

THE ULTIMATE INDUSTRIAL SOLUTION

WE500+ PLC combines the computing power and the connectivity of WE500+ with the advanced functions of the PLC-programming.

The configuration suite allows to use the five main programming languages (Ladder Logic, Function Block, Structure Text, AWL, Functional Chart): they allow to elaborate advanced logics, in order to fulfill the most demanding requirements of any industrial automated plant.

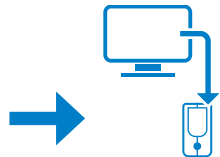
The PLC functions are integrated with those already available inside WE500+, thus allowing the management of alarm thresholds (with real-time notifications to the operator), the storing of the data acquired from the field and the data delivery to IoT platforms, thanks to the integrated connectivity.

JUST A FEW STEPS TO BE UP AND RUNNING



Programming

The 5 IEC 61131-3 languages are supported, all data types access and the possibility of debugging in real-time.



Transfer

Once created the logic, it's possible to transfer it (even remotely) to the WE500+PLC through the integrated web interface.



Performance

The new logic will be executed on the first possible cycle, without affecting the other functions of the device.

TECHNICAL FEATURES

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 contacts) Mode: Counter On/Off Hour meter Flow meter
Outputs	2 Relay outputs (1 A 230 VAC / 30 VDC)
Ports	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)

Data computing

Data collection and management, thresholds or alarms setting and variables configuration: these functions are available and help shortening the distance between the operator and the machine.

Integrated connectivity

WE500+ PLC offers several integrated solutions for accessing the network: ETHERNET, WI-FI, LTE. Different protocols are supported as MQTT, HTTP and FTP.

I/O expandability

The compatibility with Nethix I/O expanders or any other RTU or TCP/IP Modbus device allows to enlarge the number of available outputs and inputs.

Access to libraries

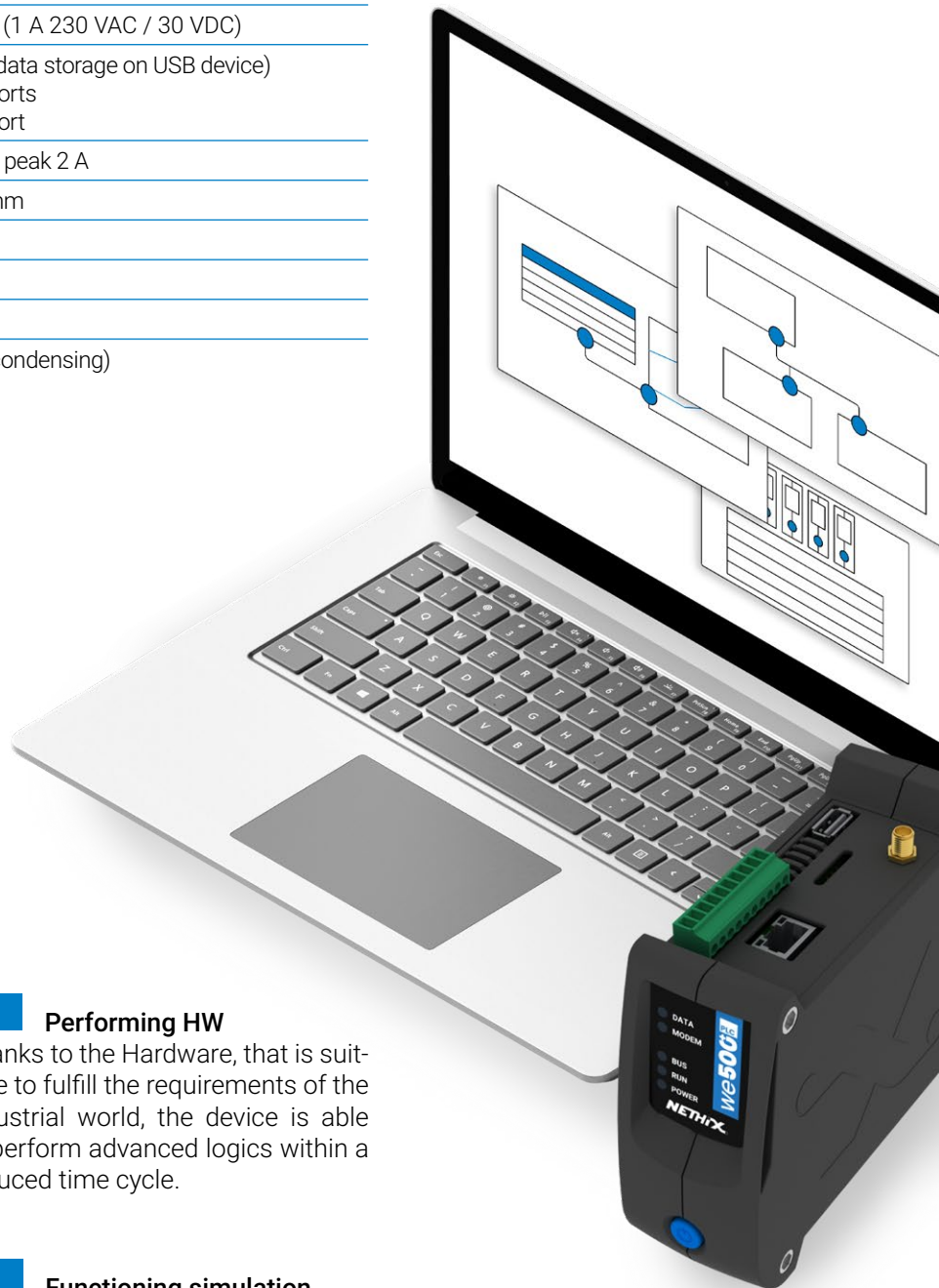
The programming Software allows the management of function-blocks that can be organized in libraries; several standard libraries are also available to support further development.

Performing HW

Thanks to the Hardware, that is suitable to fulfill the requirements of the industrial world, the device is able to perform advanced logics within a reduced time cycle.

Functioning simulation

Through the simulating function it's possible to test the programming code from the PC and make a check before loading it into the device



CODE

90.18.001

PRODUCT

WE500+ PLC

DESCRIPTION

IIoT Gateway with integrated core PLC