

IIoT MODULE

with EXPANDABLE and PROGRAMMABLE I/O



we15X

THE EXPANDABLE SOLUTIONS FOR THE IIoT

WE15X modules are the ideal products for the remote control and monitoring in the IIoT.

Thanks to the Modbus RTU protocol on RS485, the devices of the WE15X series can manage a high number of additional inputs/outputs, beside those already available on board, using the expanders of the XP series. All signals collected from the field can be delivered to the Cloud offered by Nethix or any third party.

The VPN (Standard Open VPN) is also supported and allows to access remotely any device, independently from the used connection.

Through programmable logics the WE15X devices allow to manage alarms and/or automated actions.

MODELS

WE151
LTE modem
LTE - GSM

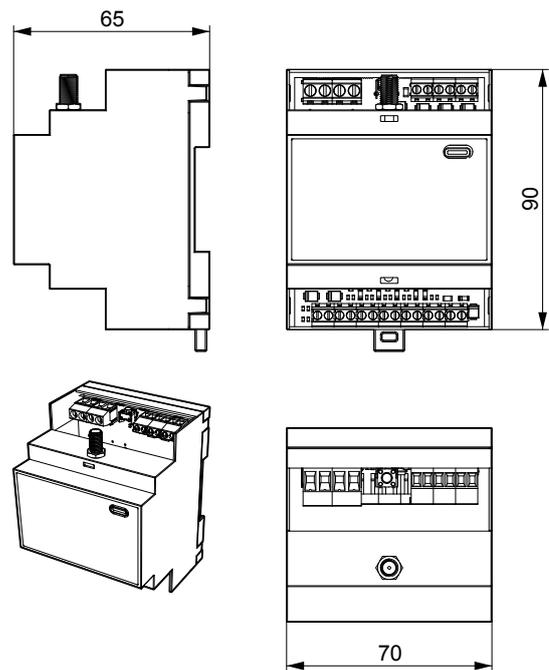
WE152
Wi-Fi module
Wi-Fi 2.4 GHz

APPLICATIONS

- Smart system
- Pump stations remote control
- Silos monitoring
- Water leak detection
- Water quality control
- Water lifting systems
- Weather monitoring
- Meter reading

TECHNICAL SPECIFICATIONS

Power source	9-32 VDC
Analog inputs	2 (0-5 VDC / 0-10 VDC / 0-20 mA / 4-20 mA / NTC)
Digital inputs	4 (Dry contact) Mode: Counter / On-Off / Hour meter / Flow meter
Outputs	2 Relays (1 A 230 VAC / 30 VDC)
Ports	1 USB Type-C (only for configuration) 2 RS232 1 RS485
Data delivery	Nethix Cloud, Email report, Chat, HTTP/HTTPS, MQTT/MQTTs, FTP/FTP
Consumption	Average 500 mA, peak 2 A
Weight	150 g
Working temperature	-15 °C ÷ +55 °C
Storage temperature	-25 °C ÷ +85 °C
Humidity	5% ÷ 80% (non condensing)



MAIN FUNCTIONS

- Input/output monitoring and control
- Modbus Client RTU
- Built-in Web Server
- Scheduler
- Remote software upgrade
- Configuration backup/restore
- Alarms and commands via SMS/Email/Chat
- Real-time graphs
- Plug-in support
- VPN

USE MODES

STANDALONE

Real-time monitoring with automation logic and alarm notifications, based on data acquired locally and from field systems.

MULTI NODE

The devices can communicate with each other and with third-party systems to share acquired data in real time and enable remote automation logic.

IoT

Compatibility with multiple IoT platforms for sending data acquired in the field, with full support for the most widely used transmission methods.

CODE	PRODUCT	DESCRIPTION
90.01.010	WE151	Module with LTE technology
90.01.020	WE12	Module with Wi-Fi technology
90.92.101	USB-A > USB-C cable	Programming cable - 50 cm