

# MINI **MODULO IoT**

con **I/O PROGRAMMABILE**



**we111** LTE   **we112** Wi-Fi   **we113** NB-IoT   **we114** LoRa

## COMPACT AND POWERFUL

The new range of MINI PROGRAMMABLE MODULES WE11X presents four different devices for the remote control and monitoring.

Versatility is their strength. Thanks to their small dimensions and the configurability of the input on board, these products offer the right solution for several IoT applications.

The WE11X products acquire data from the field through a configurable input and make them available on Cloud or Server.

Thanks to programmable logics, they can manage alarms and automated actions.

## ONE SOLUTION FOR ANY REQUIREMENT

### **WE111**

**Communication on mobile network**

LTE integrated modem

LTE (2600-2100-1800-900-850-800 MHz)

GSM (900-1800 MHz)

### **WE113**

**Ideal for IIoT applications**

Integrated NB-IoT module

LTE (2100-1900-1800-1700-900-850-800-700 MHz)

### **WE112**

**Communication on Wi-Fi network**

Integrated Wi-Fi module

WiFi: 2.4 GHz (b/g/n)

### **WE114**

**Integrates sensors inside a LoRaWAN network**

Integrated LoRa® module

LoRa: 868-915 MHz

## TECHNICAL SPECIFICATIONS

<b>Power supply</b>	Through USB-C cable 5VDC
<b>Programmable input</b>	Analogic 0-5 VDC   0-10 VDC   0-20 mA   4-20 mA   NTC Digital (dry contact) Mode: Counter   On/Off   Hour meter   Flow meter
<b>Output</b>	1 Relay output (2 A @230 VAC / 0.5A @230 VAC)
<b>Led</b>	RGB
<b>Consumption</b>	Average 500 mA, peak 2 A
<b>Dimensions ( L × W × H )</b>	40 × 23 × 85 mm
<b>Weight</b>	55 g
<b>Working temperature</b>	-15 °C — +55 °C
<b>Storage temperature</b>	-25 °C — +85 °C
<b>Humidity</b>	0% — 80% (non condensing)

### MAIN FUNCTIONS

- Monitoring and control of input/output
- Integrated Web server
- Scheduler
- Remote software upgrade
- Backup/restore of configuration
- Alarms via SMS/Email/Chat
- Commands via SMS/Email/Chat
- Real-time graphs

- Plug-in supported
- VPN

### DATA DELIVERY

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

## MANAGE YOUR DEVICE THROUGH



### WEB SERVER

Log through browser with no need of additional software



### CHAT

Communicate from your smartphone

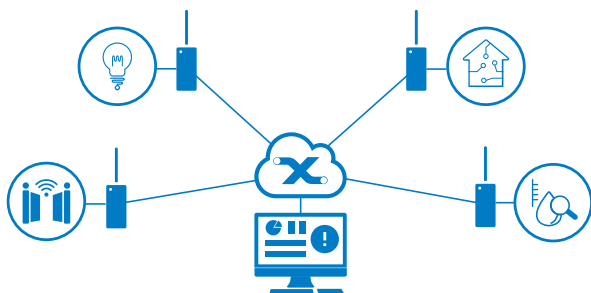
### APPLICATIONS

- Smart system
- Lighting
- Water networks monitoring
- Access control
- Smart agriculture
- Weather monitoring
- Vending machines

## TWO DIFFERENT USE MODES

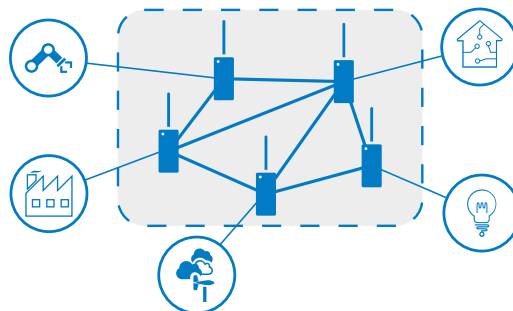
### STANDALONE

Point-to-point communication and data delivery from the machine to the Cloud/user.



### MULTI NODE

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



### CODE

### PRODUCT

### DESCRIPTION

<b>90.06.010</b>	WE111	Compact module with LTE technology
<b>90.06.020</b>	WE112	Compact module with WI-FI technology
<b>90.06.030</b>	WE113	Compact module with NB-IOT technology
<b>90.06.040</b>	WE114	Compact module with LoRa® technology
<b>90.92.101</b>	USB-A > USB-C Cable	Programming cable - 50 cm
<b>90.92.102</b>	USB-C Cable	USB-C power supply cable 5 V - 25 cm
<b>80.10.006</b>	Power supply unit	USB-C to 2 pins C-Plug Power Supply unit 5 V/2 A