

MINI IoT MODULE

with PROGRAMMABLE I/O



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 strenght. 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

Integrated LTE 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

Wi-Fi: 2.4 GHz (b/g/n)

WE114

Integrates sensors inside a LoRaWAN network

Integrated LoRa® module

LoRa: 868-915 MHz

TECHNICAL SPECIFICATIONS

POWER SUPPLY	Through USB-C cable 5VDC
PROGRAMMABLE INPUT	ANALOGIC 0-5Vdc / 0-20mA / 4-20 mA / NTC DIGITAL IN DRY CONTACT Mode: Counter On/Off Hour meter Flow meter
OUTPUT	1 RELAY OUTPUT 2A@30VDC / 0.5A@230VAC
LED	RGB
CONSUMPTION	average 500mA, peak 2A
DIMENSIONS (L X W X H)	40 x 23 x 85mm
WEIGHT	55 g
WORKING TEMPERATURE	-15°C - +55°C
STORAGE TEMPERATURE	-25°C - +85°C
HUMIDITY	0% - 80% (non condensing)

MAIN FUNCTIONS

- Monitoring and control of Input/Output
- Integrated Web server
- Scheduler
- Remote upgrade of software
- 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

APPLICATIONS

- Smart system
- Lighting
- Water Networks monitoring
- Access control
- Smart Agriculture
- Weather Monitoring
- Vending machines

MANAGE YOUR DEVICE THROUGH



WEB SERVER
Log through browser with no need of additional software

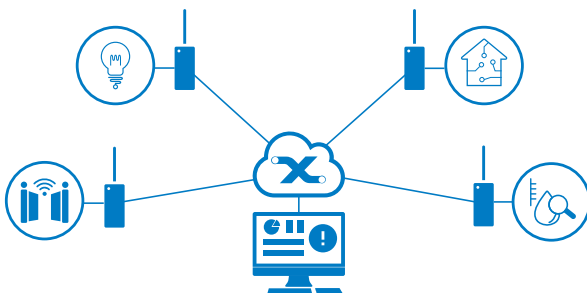


CHAT
Communicate from your smartphone

TWO DIFFERENT USE MODES

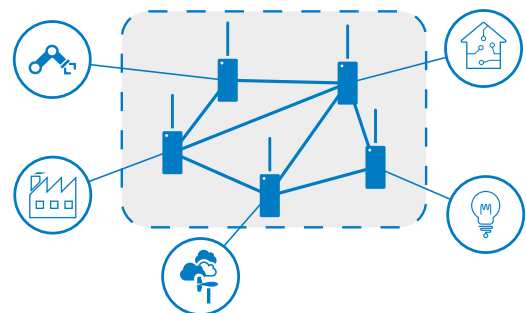
STANDALONE

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