Brief introduction

KentixONE runs on all networkable Kentix products as so-called embedded – i.e. integrated – software and always has the same version status for all products.

As an IoT solution, KentixONE is based on the most advanced web technologies, providing a state-of-the-art graphical user interface in the web browser that can be understood in the shortest possible time. To make the usage as easy and intuitive as possible, there are different levels, like the “EasyView” view. With this, you record the complete system status at a glance. The Kentix thumb serves as the central element. This indicates whether your building, infrastructure or facility is secured. If an action is required, KentixONE will direct you to the “DetailView” view to learn more about the alarm or warning conditions. The “DetailView” view exactly maps the structure of your project by buildings, floors, rooms or functions. Extensive filter and intelligent search functions take you directly to the information you need. The KentixONE interface is both a configuration interface and a user interface.

The most important functions of KentixONE at a glance:

Function

- Smart web dashboard
- Smartphone app (iOS, Android)
- E-mail – Push – SMS
- Autom. Software Deployment
- Autom. Backups
- Multitenant

Integration

- LDAP and Active Directory
- REST API based on JSON
- WEB hooks (JSON, XML CSV)
- SNMP V2/3 with standard MIB
- Modbus TCP/RTU
- Alarm synchronous video images

Security

- Own SSL/TLS certificates
- Custom REST API Key
- AES128/256 encryption
- Regular security updates
- Sabotage monitoring
- IEEE802.1.X authentication

Here you can find a detailed function overview of KentixONE.

Compatibility

KentixONE is shipped on all Kentix products with firmware version 08.x.x or later.

Update existing devices

For the update of already used products you will find all necessary downloads in the Kentix-Shop.

Products with firmware version 5 or lower cannot be used for Kentix ONE.

Before the update, the compatibility of the devices must be checked. Only products from a certain production date are updateable.
The year and month of production is noted on the stickers on the devices or in the web interface.

The date of manufacture can also be determined using the serial number.
A serial number consists of several elements and is structured as in the following example:

12ab4567xy890

The digits a and b represent the year of production, with the numbers rotated.
Example:
a=1, **b=2**
12 rotated gives 21
This device is from the year 2021.

The digits **x** and **y** contain the month of manufacture.
Example:
x=1, **y=0**
Results in 10, rotated= 01.
This device was therefore produced in January of the year 2021.

Not compatible with Kentix ONE are devices with the following production dates:

Access Manager
KXP-16-LAN: older 07/18
Multisensors

KMS-LAN: older 01/18
KMS-LAN-RF: older 01/18
Alarm Manager Basic and Pro
KAM: older 01/18
Other
Keypad KKPT-Touch: No longer supported in Kentix ONE

Quick start

To operate KentixONE, it is recommended that you use one of the following devices as the main controller:

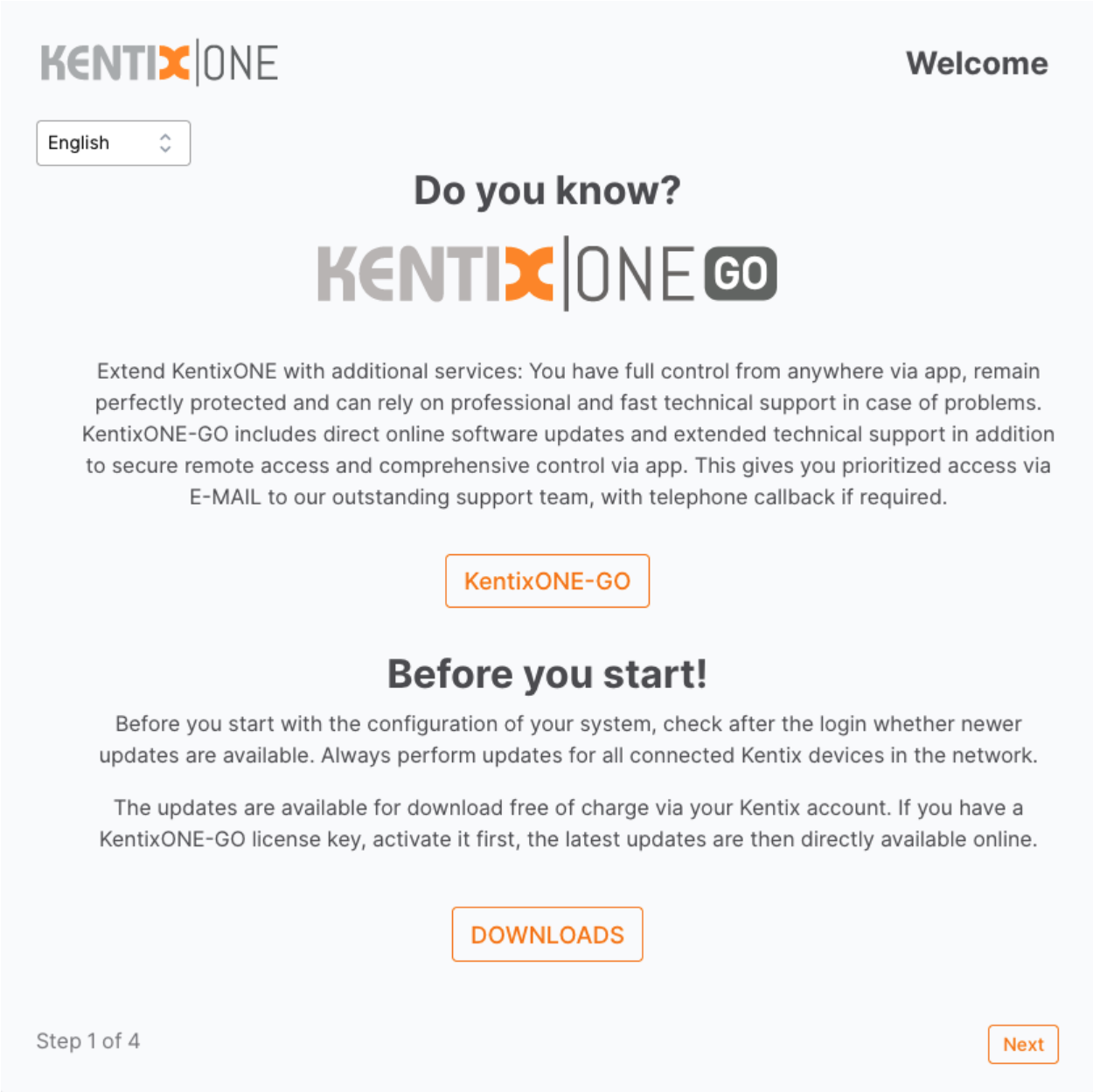
IMAGE	TYPE	ART
	AlarmManager (Appliance) DATA SHEET	KAM-RO-B KAM-PRO-W KAM-BASIC-B KAM-BASIC-W
	SiteManager (Appliance) DATA SHEET	KSM-DR-1
	SiteManager (Docker, virtual)	KSM-DOCKER-1

Initial commissioning of the manager (main controller)

Perform the following steps if the structure of the network and the IP addresses of the main and satellite devices in the installation are known. Subsequent changes to IP addresses require additional manual effort.

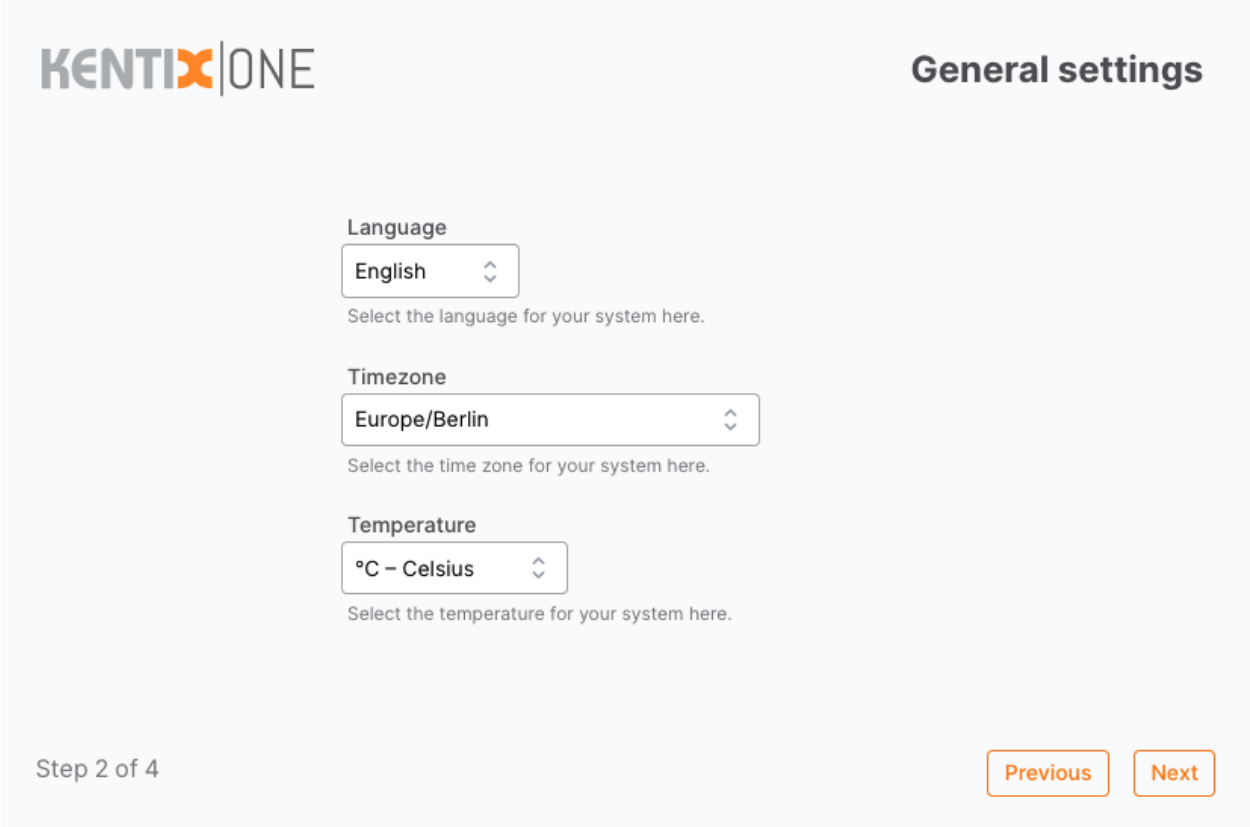
We recommend that you first configure and test all devices as required in the installation before installing them in the production environment.

The setup wizard

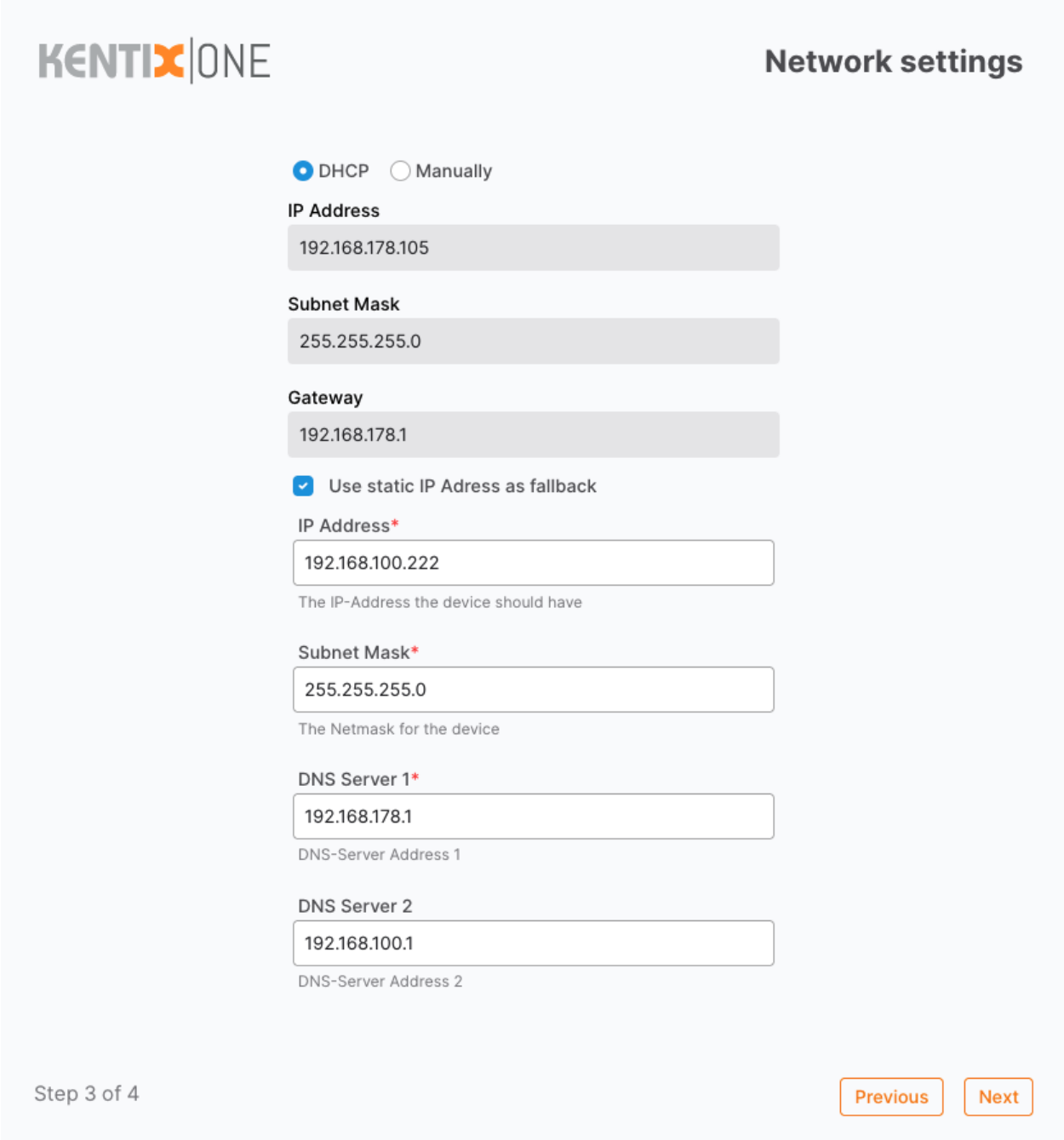


Homepage

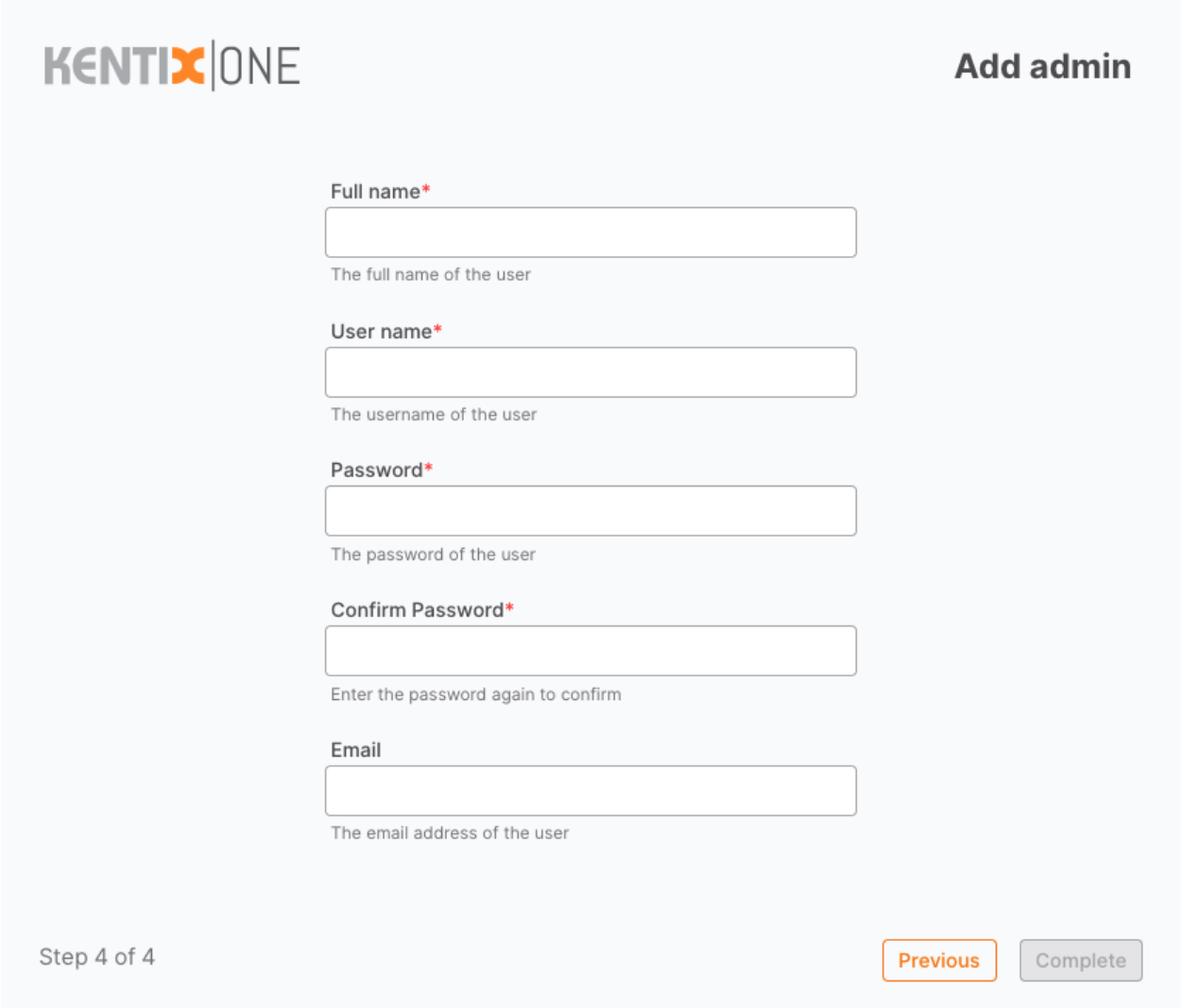
If desired, activate KentixONE GO here and download new firmware updates. They can also perform these steps later. Click “Next” to start the setup of the system.



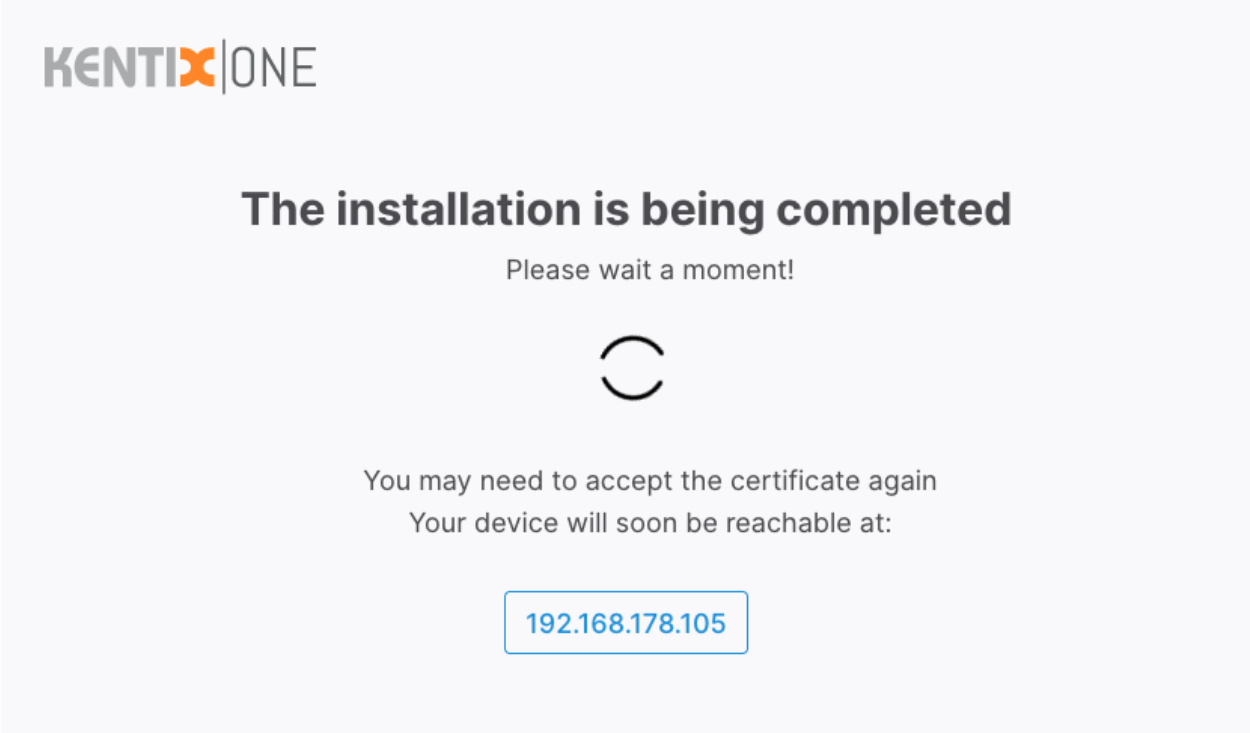
Basic settings



Network settings

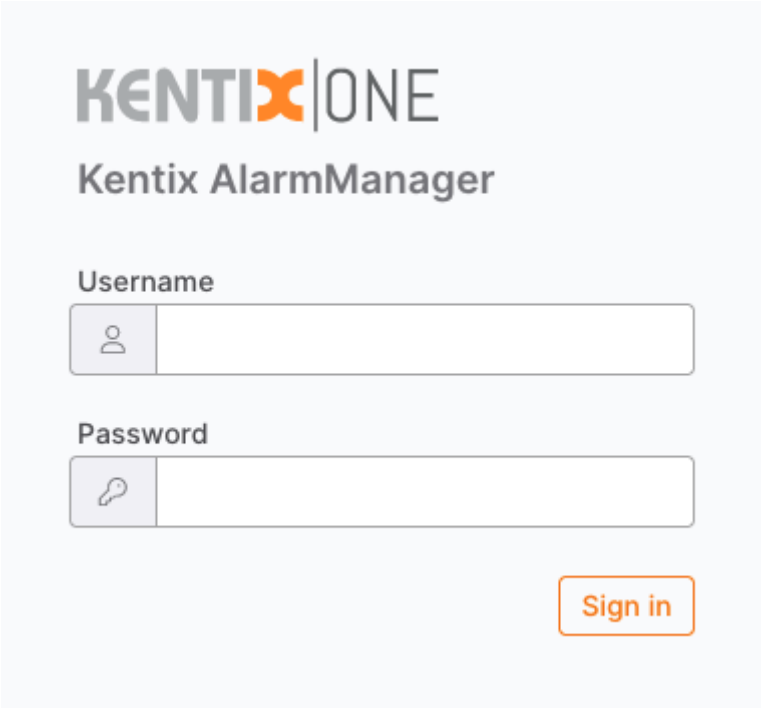


Create administrator account

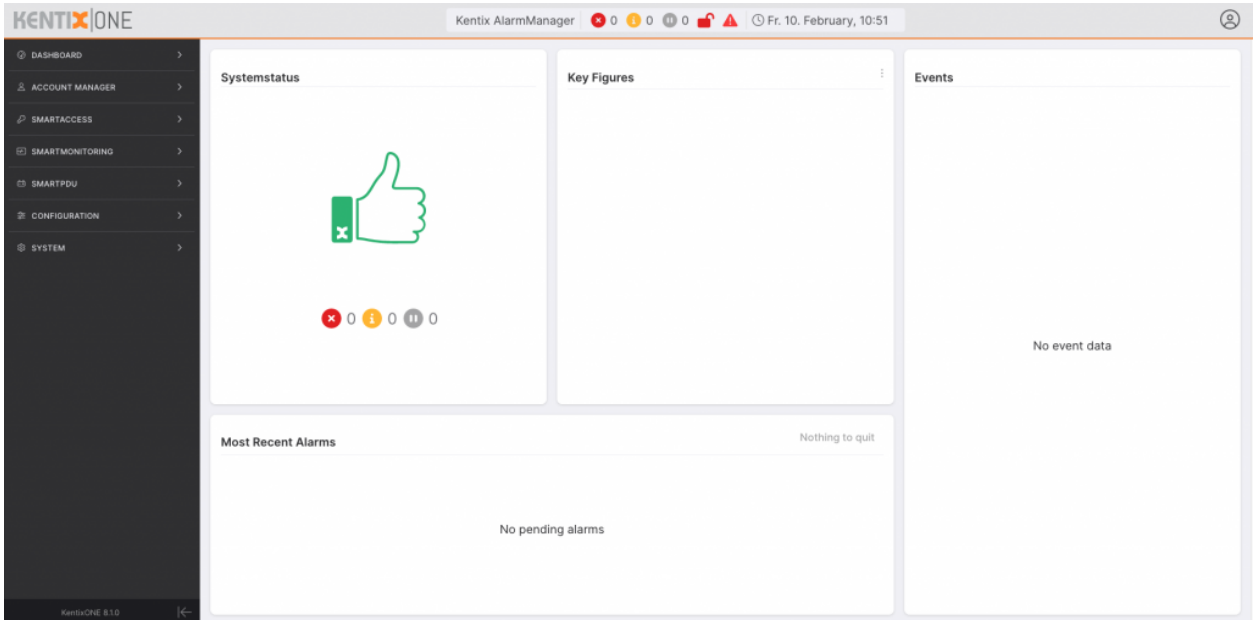


Completion of the installation

When all settings are saved and the system is ready, you will see a login dialog. This completes the basic installation.



After logging in, you will be presented with the KentixONE Dashboard.

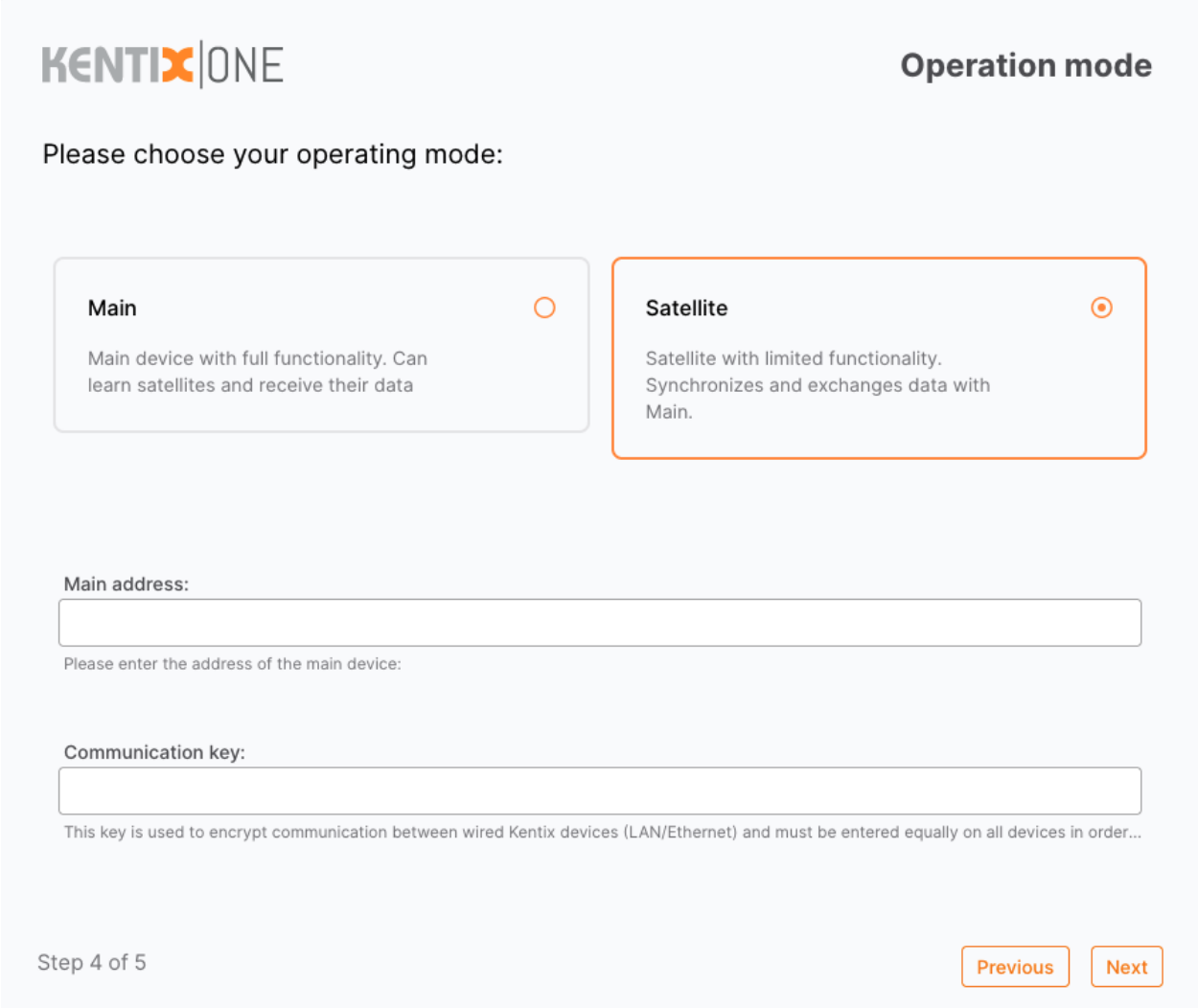


Add another device as a satellite

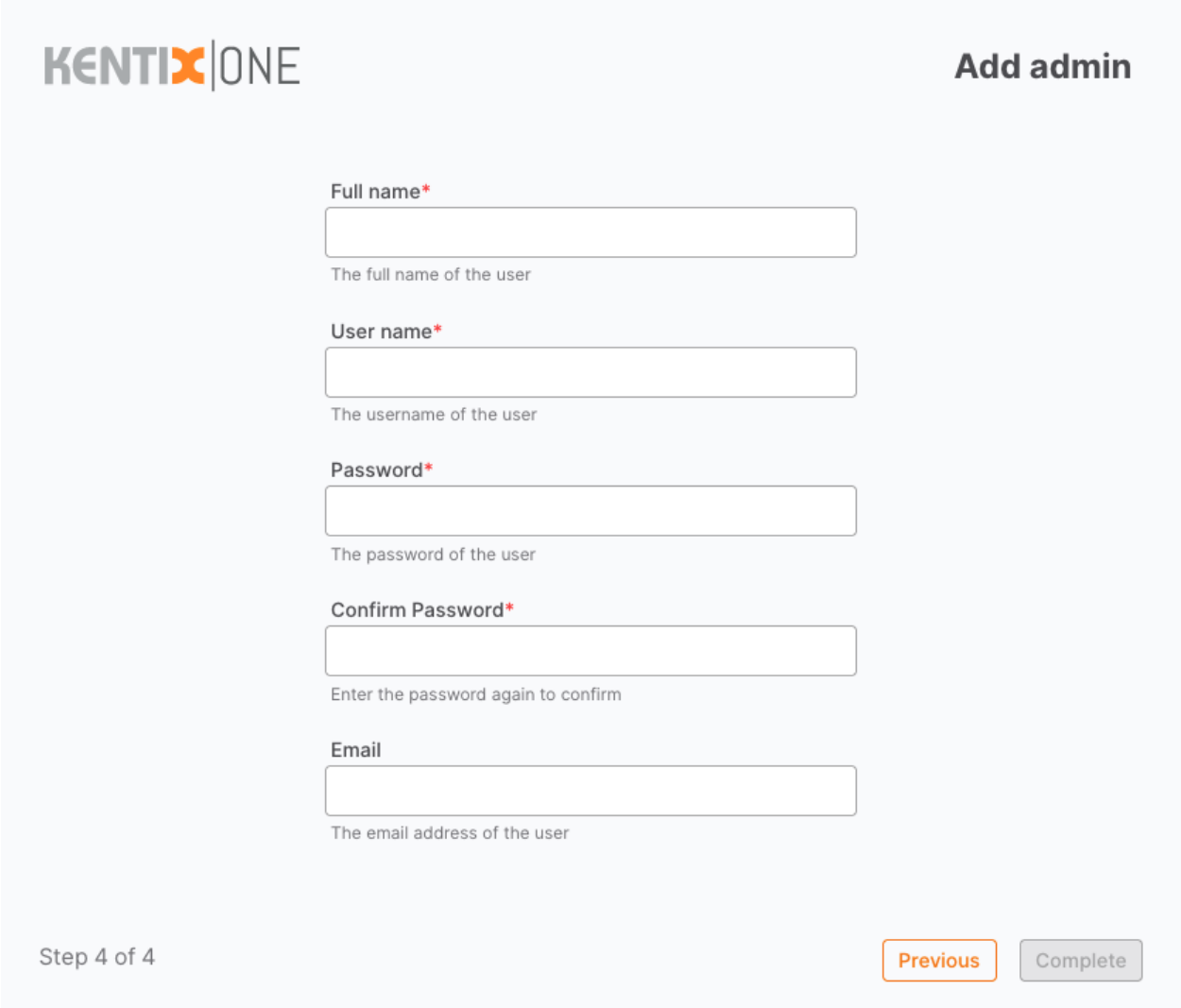
A MultiSensor-LAN-RF with PoE is added here as an example. The device was manually updated to firmware version 8.01.x in advance and set to factory settings. It is integrated in the network and the IP address was determined by means of IP scanner software like the AlarmManager.

Call up the web interface of the satellite. The wizard for KentixONE appears here as well.

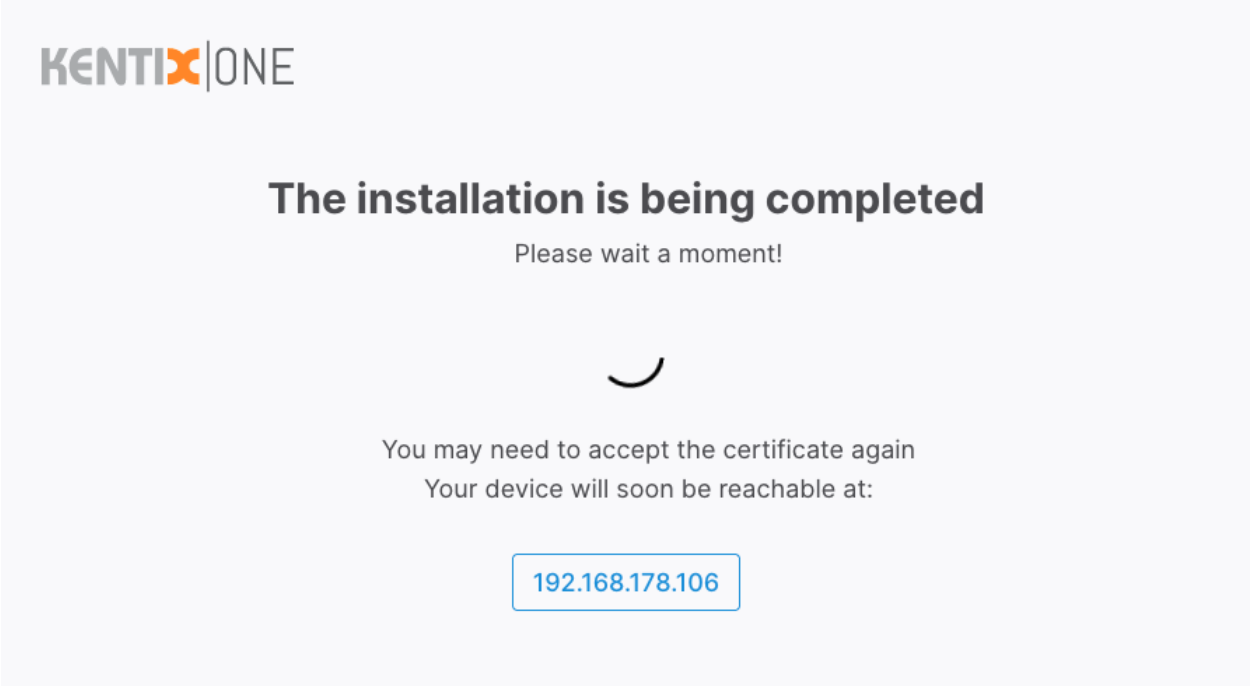
The first steps are identical to the one for the AlarmManager. In step 4, select “Satellite”. Enter the IP address of the “Main” device in the “Main address” field. The communication key remains empty in the example.



Selection of operating mode, main data

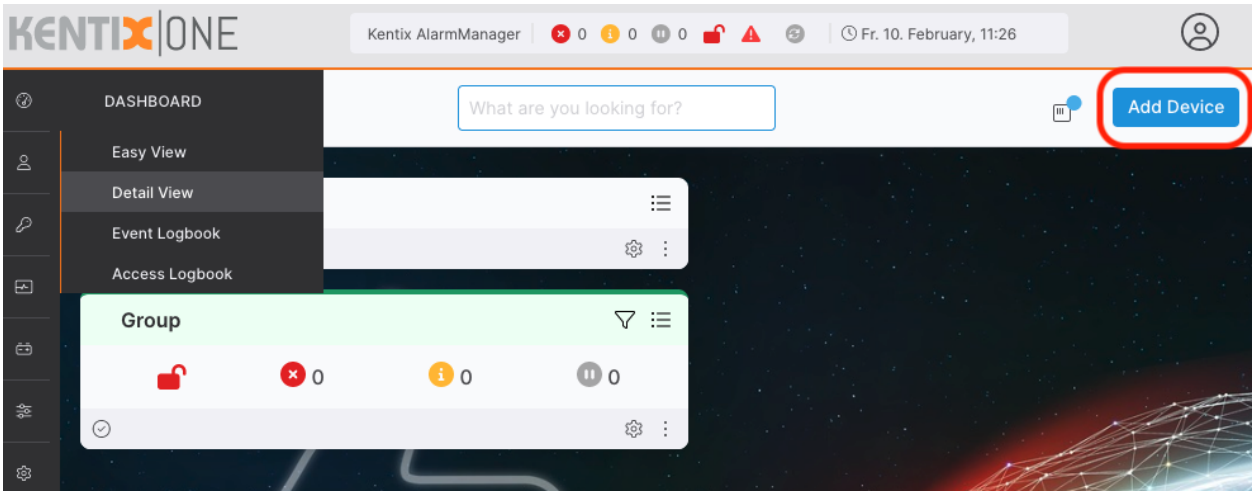


Create local admin



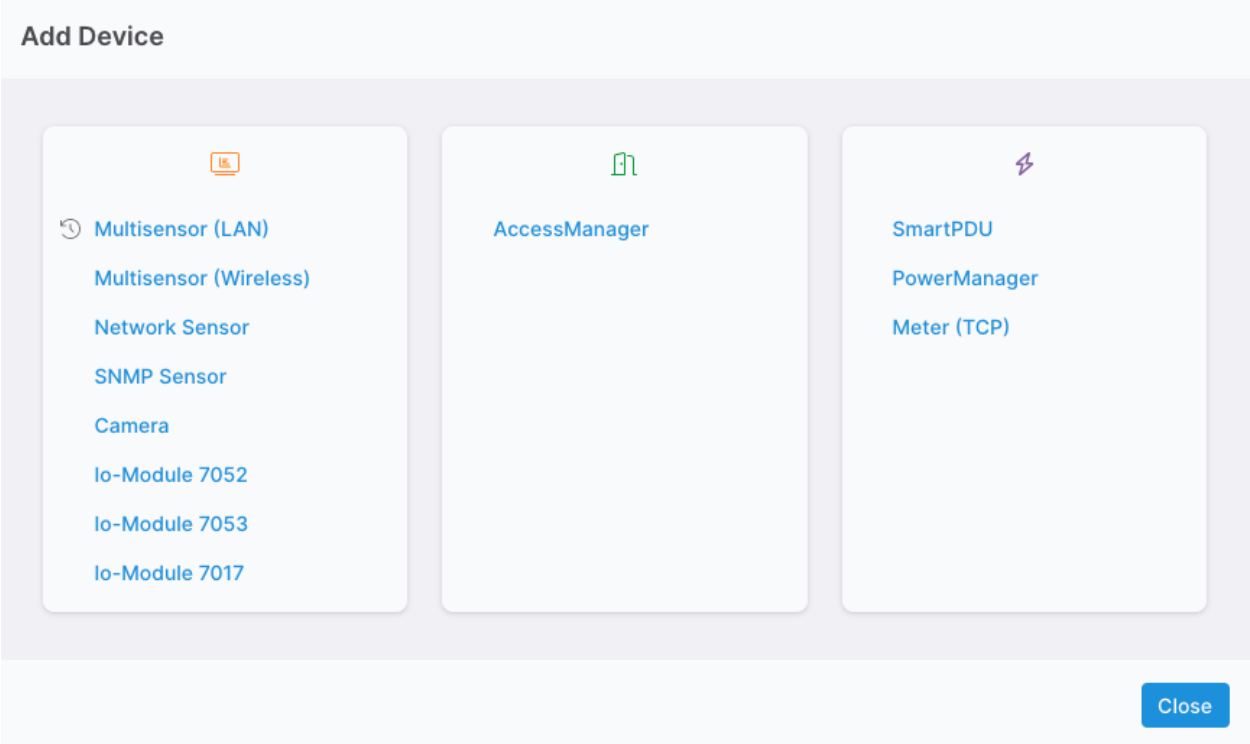
Completion of the installation

Log on to the manager again. Select “Add device” in the detail view.

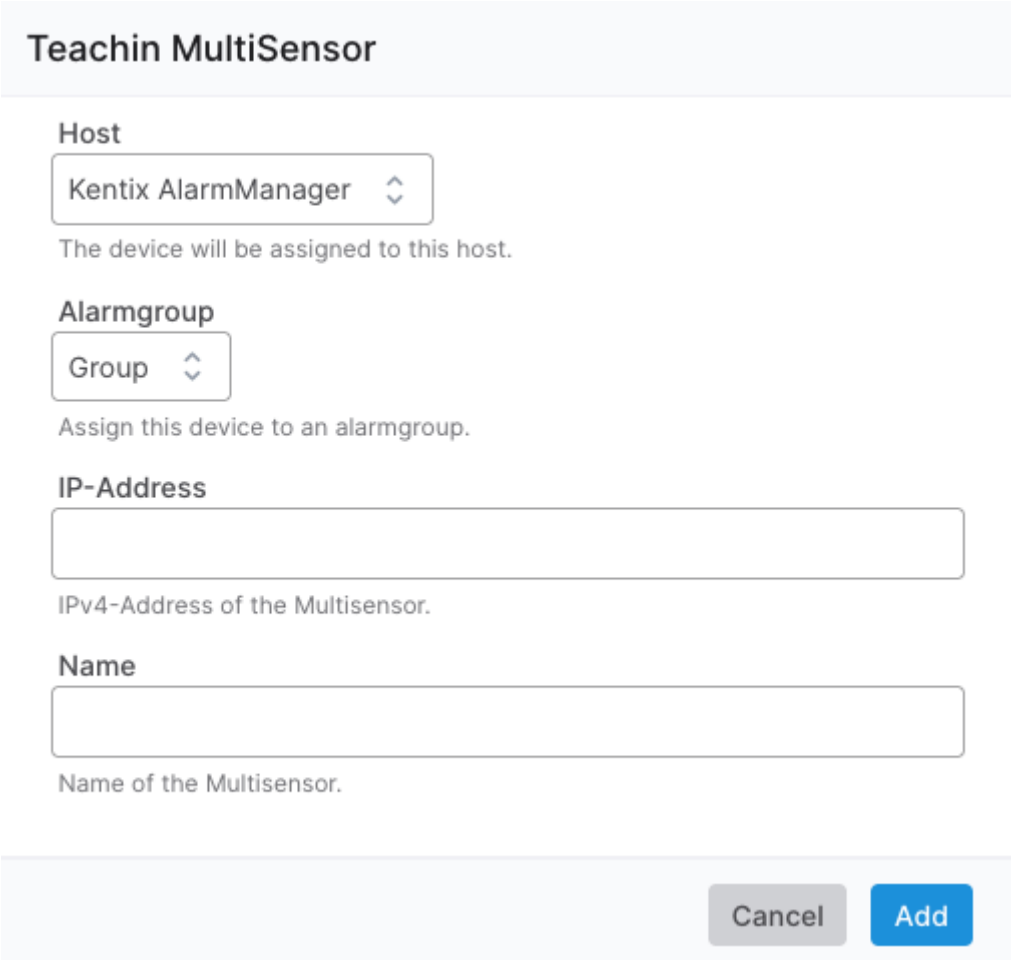


Add device

Select the type of the desired device*(here: Multisensor (LAN))*

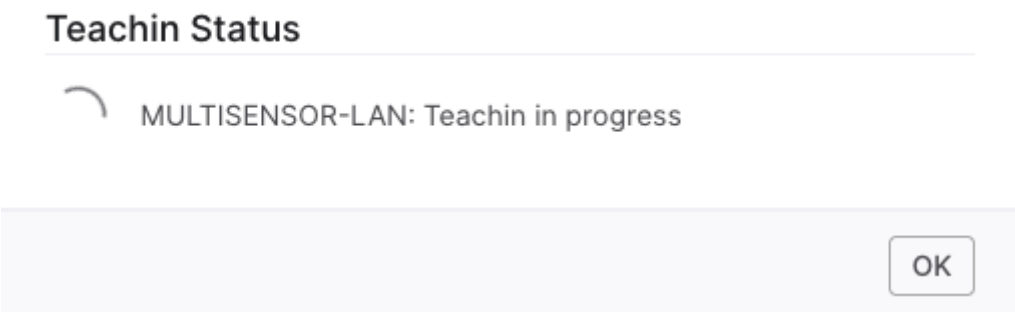


Teach-in dialog. Enter the IP address of the satellite.



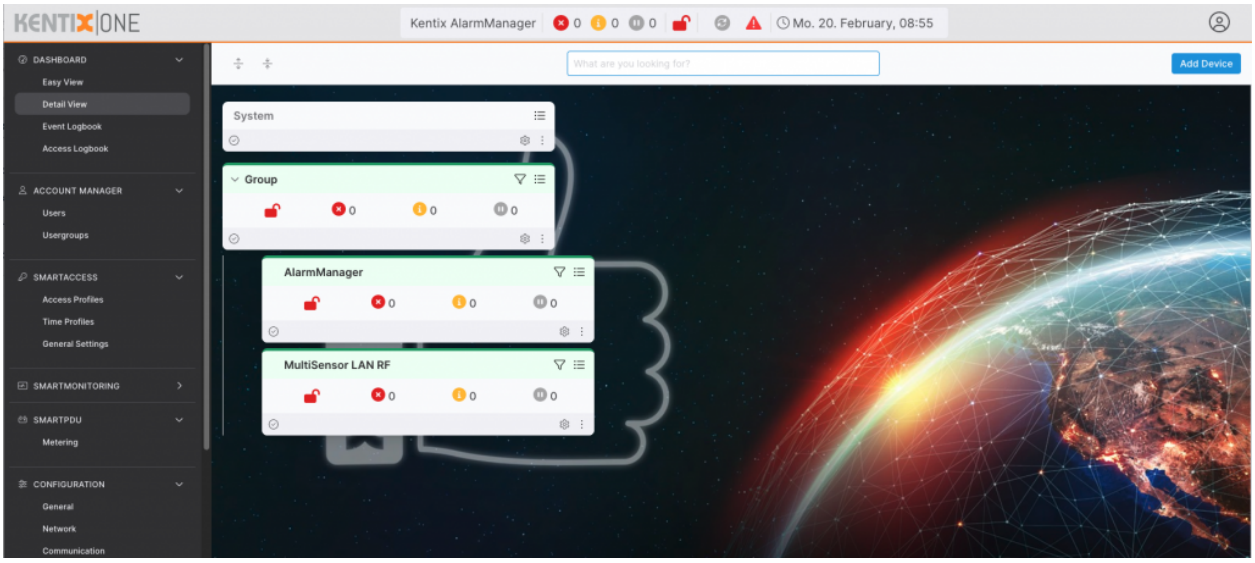
Teach-in dialog

The status of the teach-in is displayed.



Teach-in status

After completion, the satellite is available as a resource in the Manager. All sensor values are now routed to the manager and managed here.



Satellites in the detailed view