

KENTIX | ONE

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 (Docked, 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

The screenshot shows the 'Welcome' screen of the KentixONE setup wizard. At the top left is the 'KENTIX|ONE' logo, and at the top right is the word 'Welcome'. Below the logo is a language selection dropdown menu currently set to 'English'. The main heading is 'Do you know?' followed by the 'KENTIX|ONE GO' logo. A paragraph of text explains that KentixONE-GO provides additional services like remote access and technical support. Below this text is an orange button labeled 'KentixONE-GO'. The next section is titled 'Before you start!' and contains two paragraphs of text about system updates. Below this is an orange button labeled 'DOWNLOADS'. At the bottom left, it says 'Step 1 of 4', and at the bottom right is an orange button labeled 'Next'.

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.

KENTIX|ONE

General settings

Language

English

Select the language for your system here.

Timezone

Europe/Berlin

Select the time zone for your system here.

Temperature

°C – Celsius

Select the temperature for your system here.

Step 2 of 4

Previous Next

Basic settings

KENTIX|ONE **Network settings**

DHCP Manually

IP Address
192.168.178.105

Subnet Mask
255.255.255.0

Gateway
192.168.178.1

Use static IP Adress as fallback

IP Address*
192.168.100.222
The IP-Address the device should have

Subnet Mask*
255.255.255.0
The Netmask for the device

DNS Server 1*
192.168.178.1
DNS-Server Address 1

DNS Server 2
192.168.100.1
DNS-Server Address 2

Step 3 of 4 [Previous](#) [Next](#)

Network settings

KENTIX|ONE **Add admin**

Full name*

The full name of the user

User name*

The username of the user

Password*

The password of the user

Confirm Password*

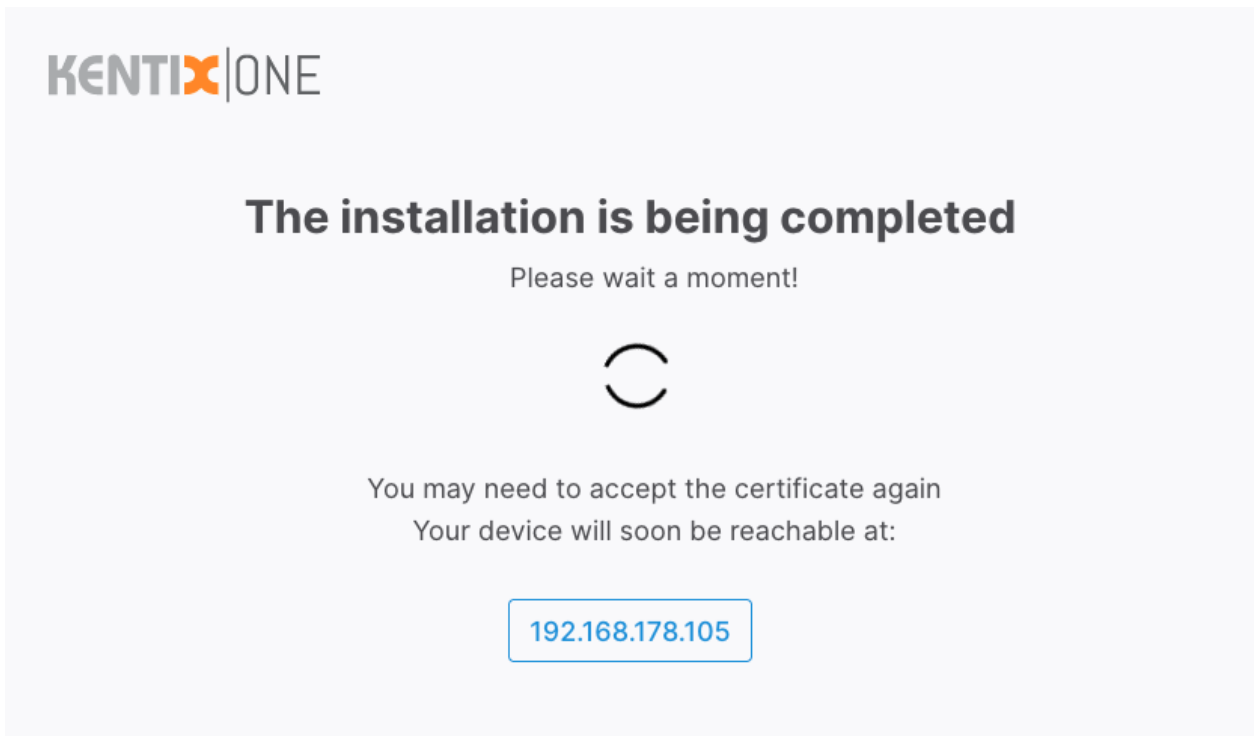
Enter the password again to confirm

Email

The email address of the user

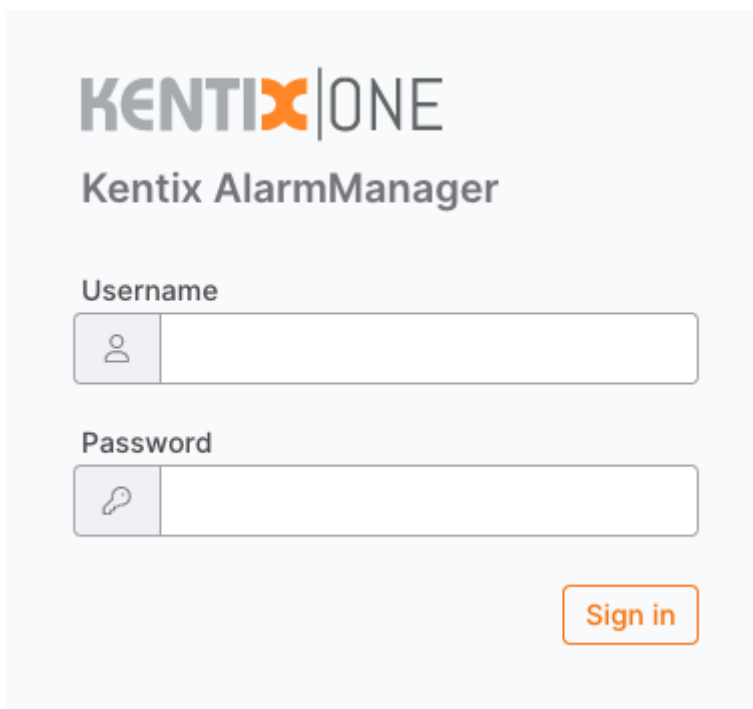
Step 4 of 4 [Previous](#) [Complete](#)

Create administrator account

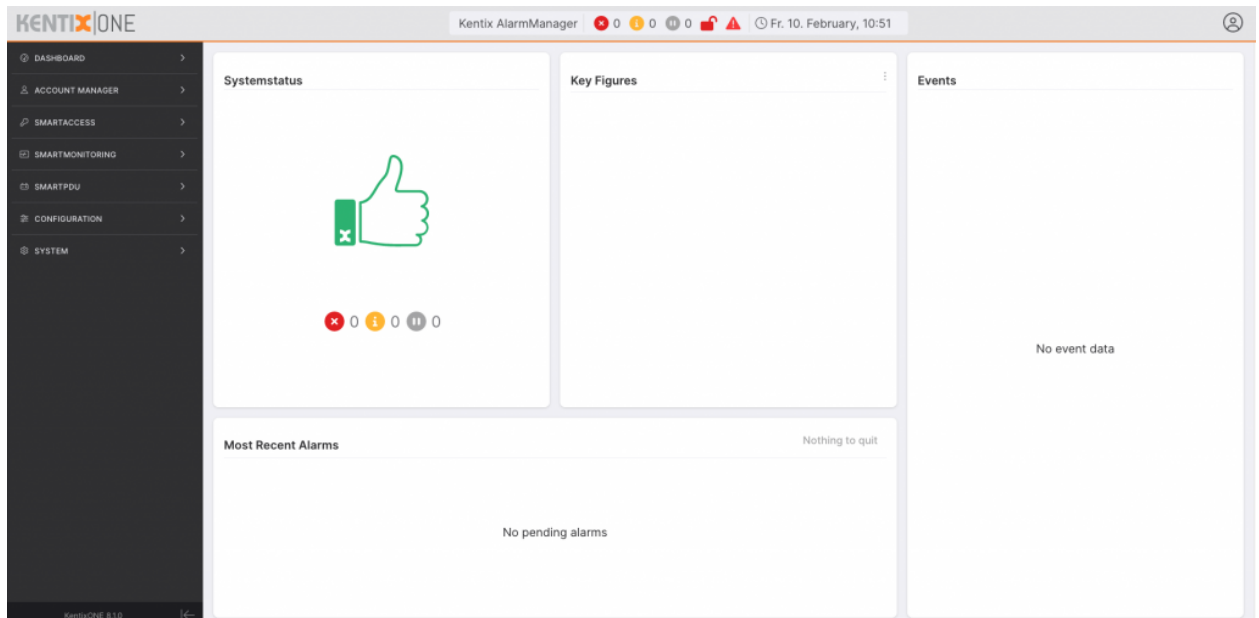


Completion of the installation

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.

KENTIX|ONE **Operation mode**

Please choose your operating mode:

Main

Main device with full functionality. Can learn satellites and receive their data

Satellite

Satellite with limited functionality. Synchronizes and exchanges data with Main.

Main address:

Please enter the address of the main device:

Communication key:

This key is used to encrypt communication between wired Kentix devices (LAN/Ethernet) and must be entered equally on all devices in order...

Step 4 of 5

Selection of operating mode, main data

KENTIX|ONE **Add admin**

Full name*

The full name of the user

User name*

The username of the user

Password*

The password of the user

Confirm Password*

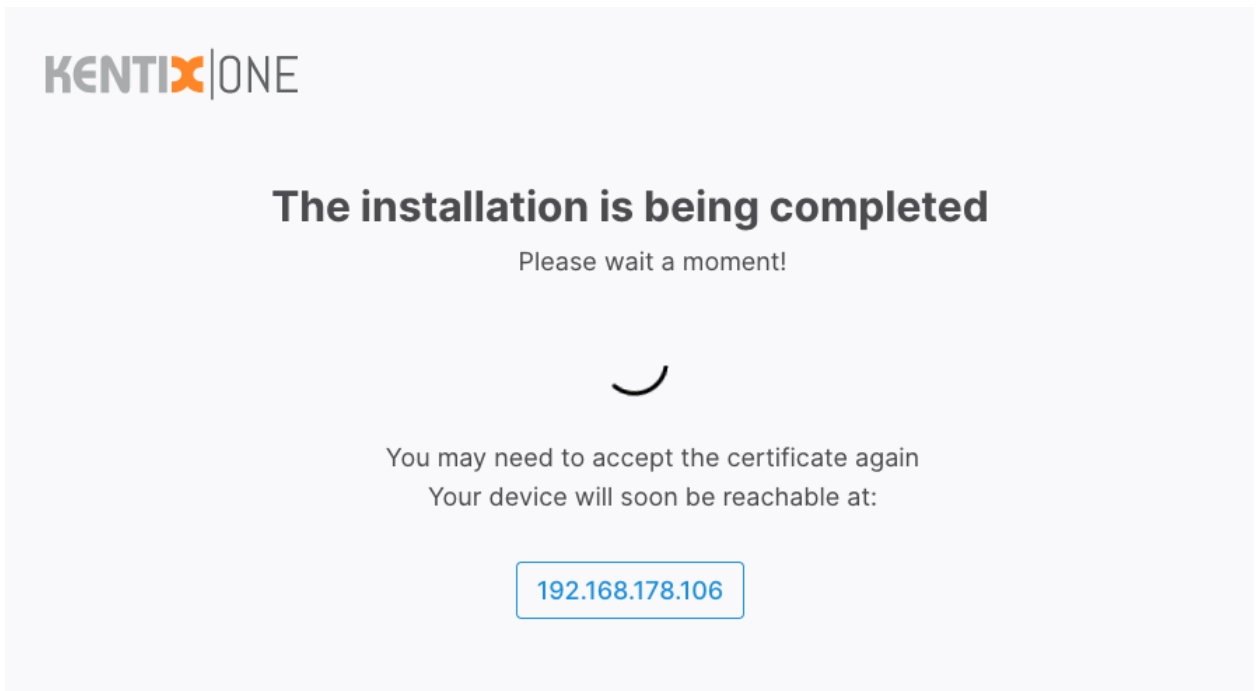
Enter the password again to confirm

Email

The email address of the user

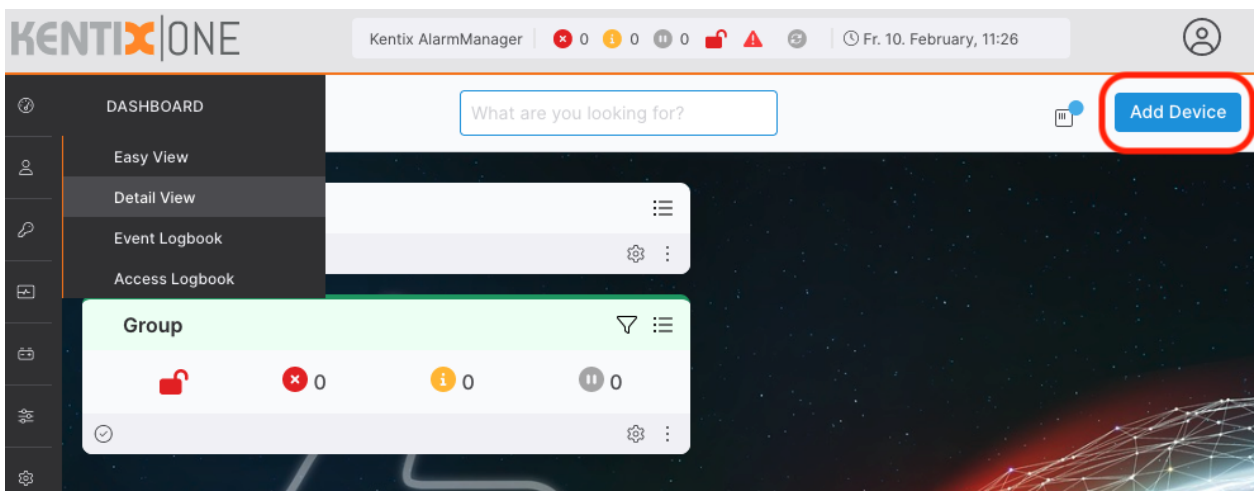
Step 4 of 4 [Previous](#) [Complete](#)

Create local admin



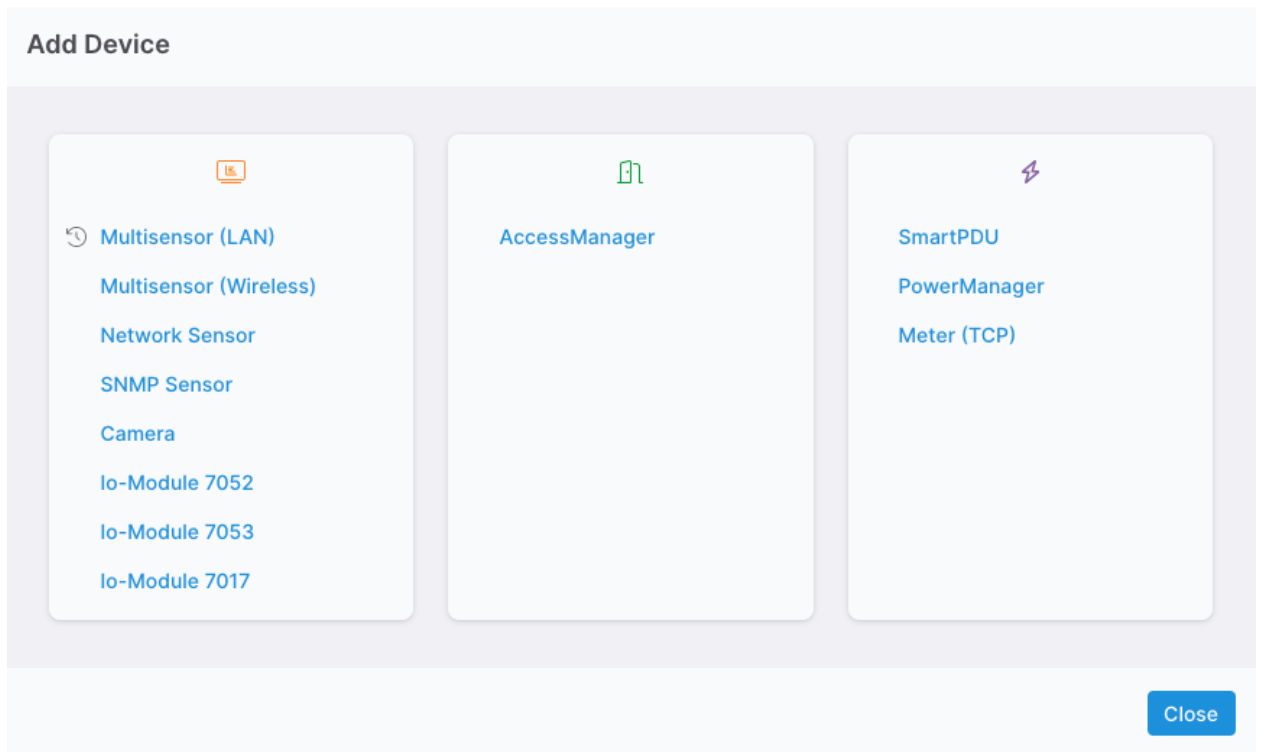
Completion of the installation

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.

Teachin MultiSensor

Host

The device will be assigned to this host.

Alarmgroup

Assign this device to an alarmgroup.

IP-Address

IPv4-Address of the Multisensor.

Name

Name of the Multisensor.

Cancel

Add

Teach-in dialog

The status of the teach-in is displayed.

Teachin Status

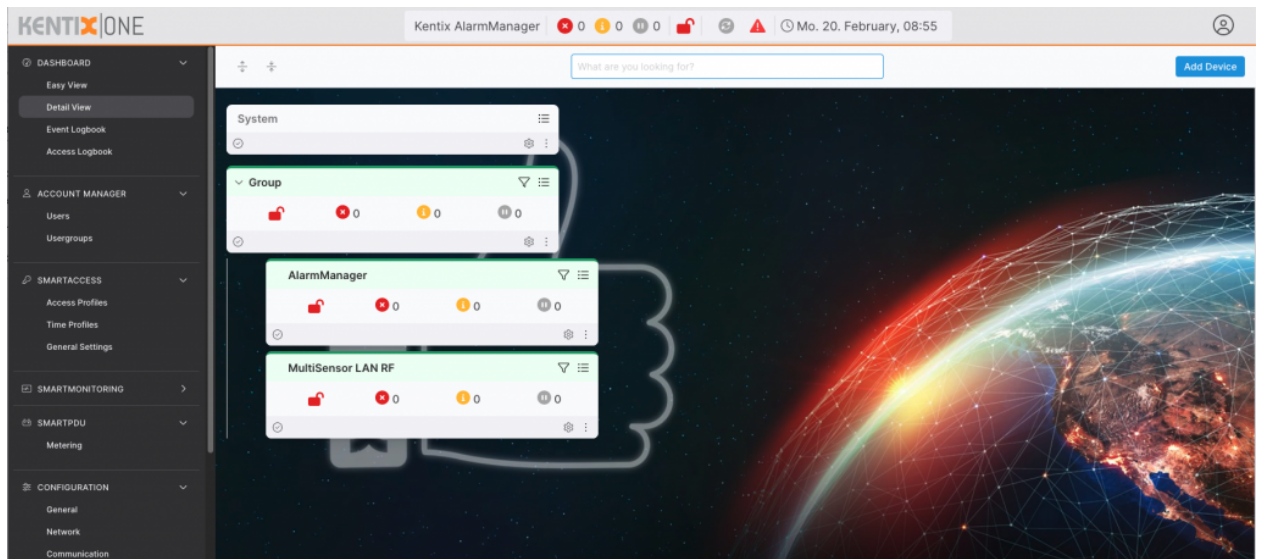


MULTISENSOR-LAN: Teachin in progress

OK

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