

# **KentixONE - First steps**

# **Brief introduction**

The KentixONE software runs either on the SiteManager as a hardware appliance, on which it is already pre-installed, or virtualized as a Docker container on your own servers. For projects with up to 500 networked devices, we recommend the SiteManager hardware appliance for easy integration. The Docker container is ideal for large enterprise applications.

The KentixONE software environment is based on the most advanced web technologies and offers a state-of-the-art, easy-to-understand graphical user interface in the web browser. To make use as simple and intuitive as possible, there are various levels, such as the "EasyView" view. With this view, you can see the complete system status at a glance. The central element is the Kentix thumb. It shows whether your building, your infrastructure or your system is secure. If action is required, KentixONE takes you directly to the "DetailView" view to find out more about the alarm or warning statuses. In the "DetailView" view, the structure of your project is precisely mapped with 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 and 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 <u>KentixONE</u>.

# 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 are 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 shown in the following example:

### 12ab4567xy890

The digits a and b stand for the year of production, whereby the numbers are rotated. Example: a=1, **b=2** 12 rotated results in 21 This device is from the year 2021.

The digits **x** and **y** contain the month of manufacture. Example: x=1, y=0Results in 10, rotated= 01. This device was therefore produced in January 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             | ТҮРЕ  | ART          |
|-------------------|---|--------------|
|                   | SiteManager (Appliance)<br><u>DATASHEET</u> | KSM-DR-1     |
| docker KENTIX ONE | Docker Container (Virtualized)              | KSM-DOCKER-1 |

### Initial commissioning with the SiteManager

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



| KENTIX ONE Welcome  |
|---|
| English 🗘   |
| Do you know?  |
| KENTIXONEGO   |
| Extend KentixONE with additional services: You have full control from anywhere via app, remain<br>perfectly protected and can rely on professional and fast technical support in case of problems.<br>KentixONE-GO includes direct online software updates and extended technical support in addition<br>to secure remote access and comprehensive control via app. This gives you prioritized access via<br>E-MAIL to our outstanding support team, with telephone callback if required. |
| KentixONE-GO  |
| Before you start!   |
| Before you start with the configuration of your system, check after the login whether newer updates are available. Always perform updates for all connected Kentix devices in the network.  |
| The updates are available for download free of charge via your Kentix account. If you have a KentixONE-GO license key, activate it first, the latest updates are then directly available online.  |
| DOWNLOADS   |
| Step 1 of 4   |

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.



| <b>KENTIX</b>  ONE |  | General settings |
|--------------------|--|------------------|
|                    | Language<br>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  |  | Netwo | ork sett | ings |
|-------------|--|-------|----------|------|
|             |  |       |          |      |
|             | • DHCP O Manually                                    |       |          |      |
|             | IP Address   |       |          |      |
|             | 192.168.178.105                                      |       |          |      |
|             | Subnet Mask  |       |          |      |
|             | 255.255.255.0  |       |          |      |
|             | Gateway  |       |          |      |
|             | 192.168.178.1  |       |          |      |
|             | <ul> <li>Use static IP Adress as fallback</li> </ul> |       |          |      |
|             | 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 |  | ſ     | Previous | Next |

Network settings



| <b>KENTIX</b>  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 |                   |
|                    |                                     |                   |
|                    | The email address of the user       |                   |
|                    |                                     |                   |
| Step 4 of 4        |                                     | Previous Complete |

Create administrator account





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

| <b>Ke</b> n | NTIX ONE<br>tix AlarmManager |         |
|-------------|------------------------------|---------|
| Usern       | ame                          |         |
| 2           |                              |         |
| Passw       | vord                         |         |
| P           |                              |         |
|             |                              | Sign in |

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| KENTIX ONE        |    |                    | Kentix AlarmManager | 😫 0 🕚 0 🕕 🔺 | () Fr. 10. February, 10:51 |               | 0 |
|-------------------|----|--------------------|---------------------|-------------|----------------------------|---------------|---|
| @ DASHBOARD       | >  |                    |                     |             |                            |               |   |
| ≗ ACCOUNT MANAGER | >  | Systemstatus       | Key                 | / Figures   |                            | Events        |   |
| ₽ SMARTACCESS     | >  |                    |                     |             |                            |               |   |
|                   | >  | 0                  |                     |             |                            |               |   |
| 🗇 SMARTPDU        | >  | _/5                |                     |             |                            |               |   |
|                   | >  |                    |                     |             |                            |               |   |
| © SYSTEM          | >  |                    |                     |             |                            |               |   |
|                   |    |                    |                     |             |                            |               |   |
|                   |    | 😣 0 🚯 0 🕕 0        |                     |             |                            |               |   |
|                   |    |                    |                     |             |                            | No event data |   |
|                   |    |                    |                     |             |                            |               |   |
|                   |    |                    |                     |             |                            |               |   |
|                   |    | Most Recent Alarms |                     |             | Nothing to quit            |               |   |
|                   |    |                    |                     |             |                            |               |   |
|                   |    |                    | No ponding slar     | -           |                            |               |   |
| No penuing alarms |    |                    |                     |             |                            |               |   |
|                   |    |                    |                     |             |                            |               |   |
| KentixONE 8.1.0   | I← |                    |                     |             |                            |               |   |

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

### Add another device as a satellite

A <u>MultiSensor-LAN with PoE</u> 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.



| IENTIX ONE   |                  | Operation  | n mod       |
|--|------------------|--|-------------|
| ease choose your operating mod   | e:               |  |             |
| Main   | 0                | Satellite  | ۲           |
| Main device with full functionality. Can learn satellites and receive their data |                  | Satellite with limited functionality.<br>Synchronizes and exchanges data with<br>Main. |             |
| Main address:  |                  |  |             |
|  |                  |  |             |
| Please enter the address of the main device:                                     |                  |  |             |
| Communication key:   |                  |  |             |
| -  |                  |  |             |
|  |                  |  |             |
| This key is used to encrypt communication between wi                             | red Kentix devic | es (LAN/Ethernet) and must be entered equally on all devic                             | es in order |
| This key is used to encrypt communication between wi                             | red Kentix devic | es (LAN/Ethernet) and must be entered equally on all devic                             | es in order |

Selection of operating mode, main data



| <b>KENTIX</b>  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 |                   |
|                    |                                     |                   |
|                    | 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.

| KE | NTIXONE        |     | Kentix AlarmManager | 80 30 000                 | <b>e</b> A 3 | ③ Fr. 10. February, 11:26 |             | 0          |
|----|----------------|-----|---------------------|---------------------------|--------------|---------------------------|-------------|------------|
| 0  | DASHBOARD      |     | What ar             | e you looking for?        |              |                           | <b>•</b> •• | Add Device |
| 2  | Easy View      |     |                     |                           |              |                           |             |            |
|    | Detail View    |     |                     | <b>=</b>                  |              |                           |             |            |
| P  | Event Logbook  |     |                     | 63 ÷                      |              |                           |             |            |
| Ð  | Access Logbook |     |                     |                           |              |                           |             |            |
|    | Group          |     |                     | $\bigtriangledown \equiv$ |              |                           |             |            |
|    | <b>_</b>       | × 0 | <mark>()</mark> 0   | 0 0                       |              |                           |             |            |
| 않  | $\odot$        |     |                     | \$\$ :                    |              |                           |             | APP-       |
| ¢  |                | 1   |                     |                           |              | A                         | the second  | KAS        |

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

Kentix AlarmManager

The device will be assigned to this host.

0

#### Alarmgroup

| Group | \$ |
|-------|----|
|       |    |

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

|   |  |  | ок |  |
|---|--|--|----|--|
|   |  |  |    |  |
| - |  |  |    |  |

### 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