

## Quick-start guide ekey net



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### 6 NOTE ON THE DOCUMENT

This quick-start guide and the additional information and instructions on the supplied DVD are not subject to updating. You can find the most recent version of these documents at [www.ekey.net](http://www.ekey.net). Subject to optical and technical amendments, typesetting and printing errors excepted.

**With regard to this quick-start guide, please also pay attention to the provided information on the ekey net DVD, particularly in the „ekey net manual“, the „ekey net specification“ as well as the document: „installation“ and „wiring“.**



**To install the software, you will require sufficient license keys, i.e. for each ekey net fingerprint reader = 1 ekey net license**

### 7 Software Installation

#### 7.1 Preparation for installation

Before installing ekey net (both hardware and software), it is recommended to prepare a system overview as well as an installation plan. This will help during system commissioning and configuration:

##### Please define

- where to install the ekey net Masterserver?
- where to install the ekey net Terminalserver(s)?
- which ekey net CV LANs is to be assigned to which Terminalserver?
- which terminals (fingerprint readers, control panels) are to be assigned to which ekey net CV LAN?
- assign a self explanatory, understandable name to each device!

**You will need the following data for the installation and configuration. If necessary, please contact either your IT department or IT consultant before executing the setup.**

- Hostname (computer name) of the ekey net Masterserver (to be defined from either your IT department or yourself)
- Hostname(s) (computer name) of the ekey net Terminalserver (to be defined from either your IT department or yourself)
- IP addresses of the ekey net CV LAN (to be defined from either your IT department or yourself)
- MAC addresses of the ekey net CV LAN – can be found on the label containing also the serial number (12-digit hexa decimal, e.g. 00 20 4a ba 12 0d)
- Serial number and device type of all terminals (fingerprint reader, CP) – can be found on the label containing also the serial numbers (14-digit, e.g. 80034020090004)

The minimum system requirements of the computer on which you plan to install ekey net is summarized in the ekey net specification.



Before the installation of the ekey net system on the computer is started, please check the following settings:  
Computing power (ekey\_net\_specification ->Chapter 5.1)  
Operating systems (ekey\_net\_specification ->Chapter 3.2)  
Network settings (ekey\_net\_specification ->Chapter 3.3)  
Wiring / installation (ekey\_net\_specification ->Chapter 5)

##### Within your network, you have to ensure that

- the services ekey net Masterserver and ekey net Terminalserver as well as the software application ekey net Admin via names (DNS), which were installed on different computers (servers) can be reached in both directions. the specified server are synchronized in time. The time difference among the individual computers (server) must not exceed more than 10 seconds (security function)

**Before running the setup, it is necessary that all devices have been correctly wired, powered and connected to the network (Ethernet).**

#### 7.2 Install Shield

##### 7.2.1 General course of actions during installation

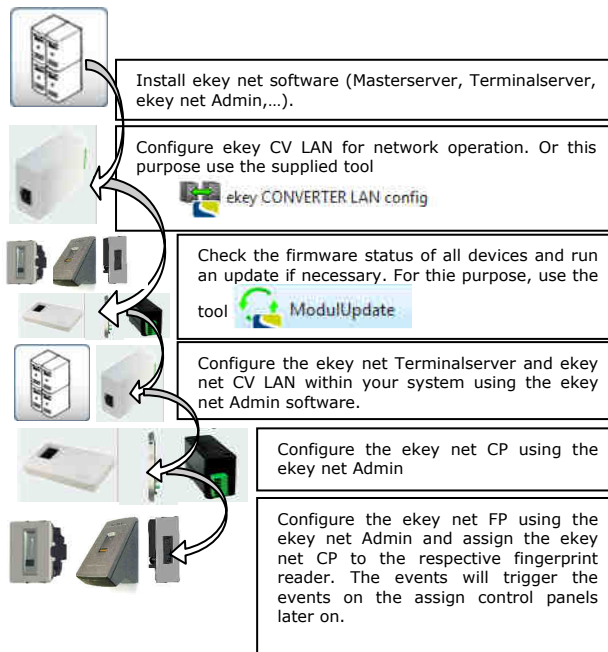


Configuration / Administration of the system ekey net

##### Installing the

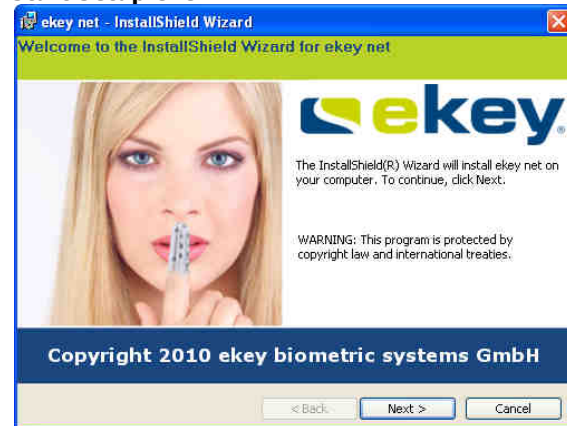
- ekey net Masterserver
- ekey net Terminalserver and
- ekey net Admin

as well as other ekey net components (e.g. ekey converter LAN config...) can be carried out in one step. Separating the installation routine into individual steps is a result of working with multiple servers (computer / laptop) within one system.



#### 7.3 Completely new installation of the ekey net software components

##### Start Setup.exe



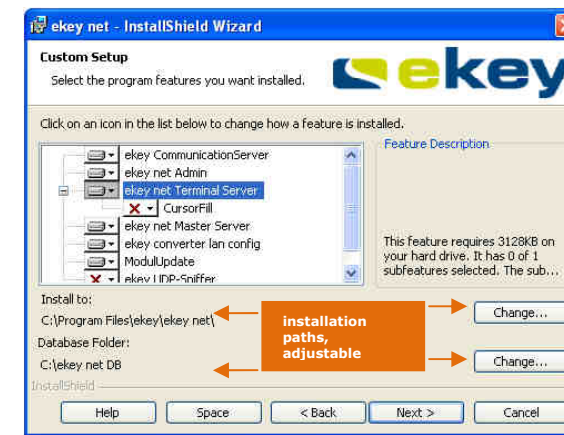
**Please enter the license key. If you have previously activated any licenses, below displayed window will not appear!**



#### Defining the installation path

The installation path can be defined during installation.

Default installation path (factory setting):  
ekey net applications: C:\Programme\key\key net  
ekey net data file: C:\key net DB



When installing the database, do not use any UNC – paths or network drives to avoid problems with the authorization. The service account for the ekey net Masterserver service has to have full access rights to this folder!

#### Selection of the ekey net components to be installed

The following components must be installed for a proper function of ekey net.

- ekey Communicationserver
  - ekey net Admin
  - ekey net Masterserver
  - ekey net Terminalserver
  - ekey converter LAN config
  - ekey ModulUpdate
  - ekey Service Guard
- This service will be installed automatically to monitor the individual ekey net services:

- ekey net Communicationsserver
- ekey net Masterserver
- ekey net Terminalserver

If it is necessary, the services will be restarted automatically!



Should you plan to stop the ekey net system services for maintenance, you will have to stop the ekey Service Guard first!

Below listed software components can be installed optionally:

- ekey CursorFill
- ekey UDP-Sniffer (KSniffer.exe)



Install the applications „ekey converter LAN config“ as well as „ModulUpdate“ along with each ekey net Terminalserver. Both components are necessary later on for the device configuration.

The installation routine starts by clicking **Install**

The setup routine will then take a few minutes.



To enable proper communication between the ekey net Terminalserver and the corresponding ekey net Masterserver, it has to be assigned correctly. For this purpose, enter the name of the computer (HOSTNAME) – on which the ekey net Masterserver has been installed.



**Under certain circumstances, it could lead to system failures when entering an IP address or "localhost".**

Next, click **Install** to finish the installation of the ekey net Terminalserver. The setup for this computer has now been completed.

### 8 ekey net CV LAN

#### 8.1 Configuration of the ekey net CV LAN

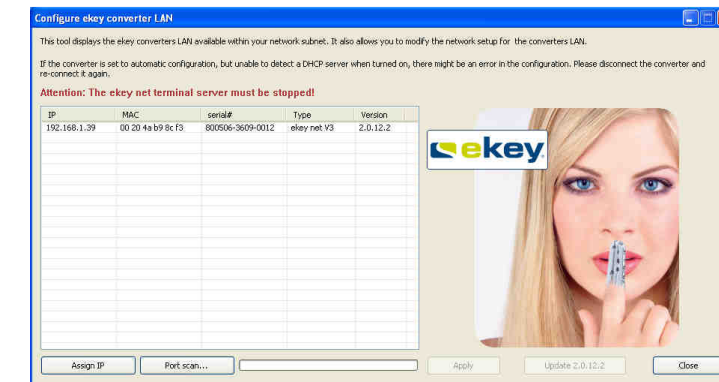
**Please you start configuring the ekey net CV LAN, please deactivate the services ekey Service Guard and ekey net Terminalserver (stopped)! Otherwise the application ekey converter LAN config will not work properly!**

The IP address of the ekey net CV LAN is set to **192.168.1.250** when supplied. As a result, all ekey net CV LAN will have the same IP address when taken into operation for the first time, which would cause an IP address conflict in your network.



Add one ekey net CV LAN after the other into your network. Change the IP address straight away before moving on to the next one, and avoid using the same IP address within your network! (You have to consider also third party components such as network printers, etc.)

Start the application **ekey converter LAN config**



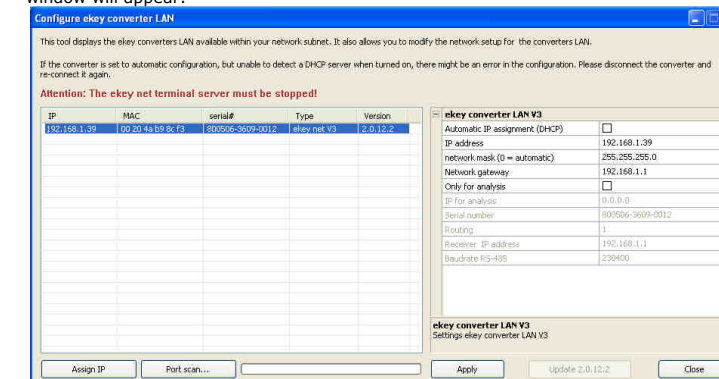
After a few seconds all discovered ekey net CV LAN within your network are listed including the following information:

- IP address
- MAC address
- Serial number
- Type
- Firmware version

ekey net CV LAN which are situated outside the defined subnet are highlighted in red (except if they have been routed). ekey net CV LAN in foreign, routed networks will be not visible!

#### 8.1.1 Assign an IP address via converter list

Double-click the respective ekey net CV LAN on the displayed list. Below displayed window will appear:

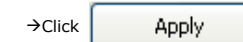


##### Course of action:

-->Enter the IP address, network mask and – if necessary – the network gateway



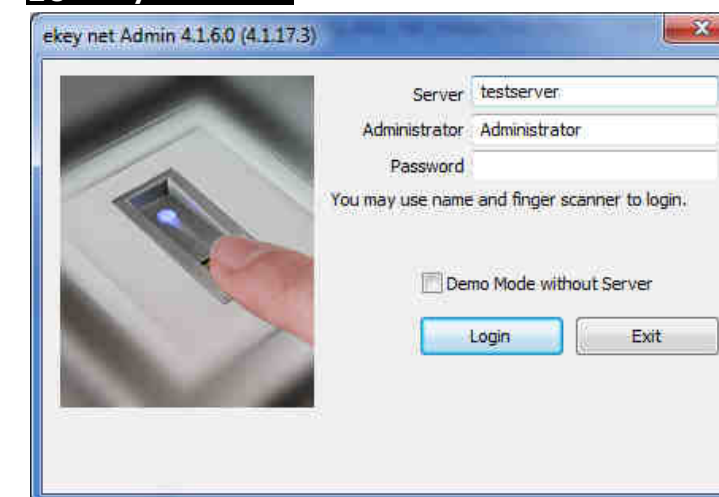
The tick boxes „Automatic IP assignment“ and „Only for analyses“ must not be checked! If the boxes are checked, please remove the tick by a mouse click!



### 9 Finish installation

Once you have finished the installation, do not forget to activate your ekey net license packages for your fingerprint readers at ekey. Please refer to the ekey net manual for further details.

### 10 ekey net Admin



Enter the **name** of the computer on which the ekey net Masterserver has been installed into the text field **Server**.

The log-in data for the pre-defined administrator account is:

Administrator: **Administrator**  
Password: **admin**