Hot Topics

Trend Line Overview

The Trend Line is designed for seamless integration with the KNX system, offering essential functionalities quickly and easily. It serves as the perfect entry-level solution for residential buildings, apartments, or hospitality environments. Key devices in the Trend Line, such as K and K2, feature built-in standalone servers, enabling control of the KNX system via a mobile application without the need for a Pro Line server. Other devices, such as Piccolo, function as smart clients and require the installation of a server, which can be either a Pro Line or Trend Line server.

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Features

1. **Grid Layout** Pages are composed of a grid that can be filled with predefined widgets of various sizes.
2. **Navigation** A bottom navigation bar allows for immediate page switching.
3. **Widget Flexibility** Widgets can be resized based on a unit concept.
4. **User Customization** In addition to system integrator-configured pages, end users can have up to 6 preferred pages, where they can add any preconfigured widgets.

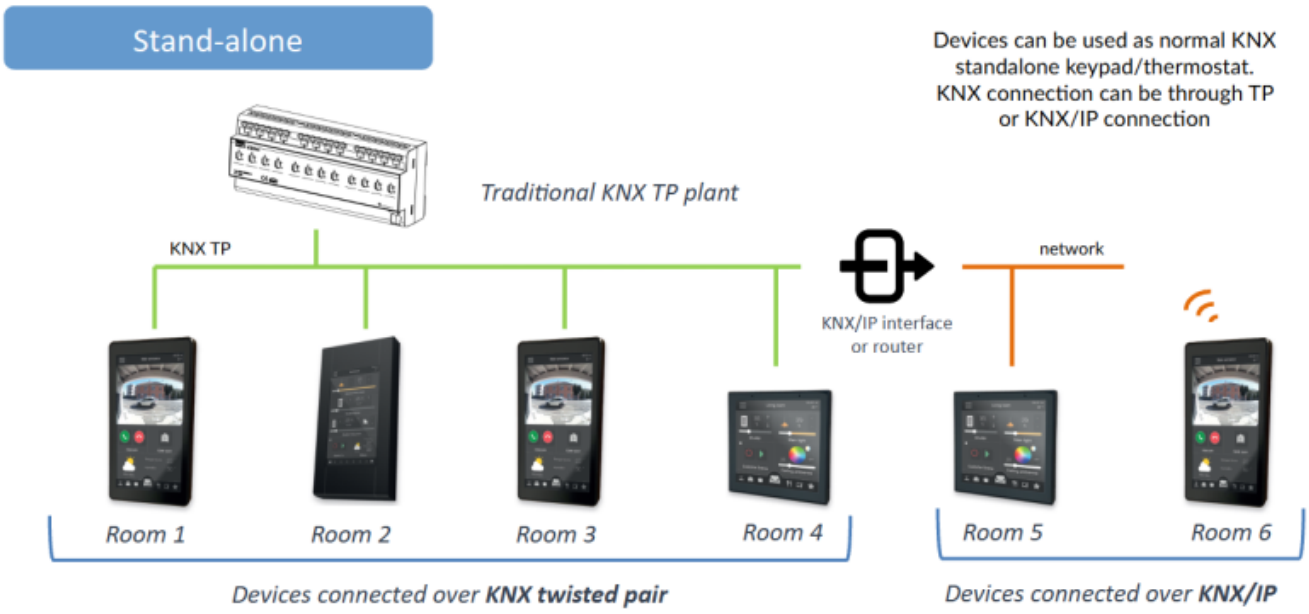


User Guide

Installation Solutions

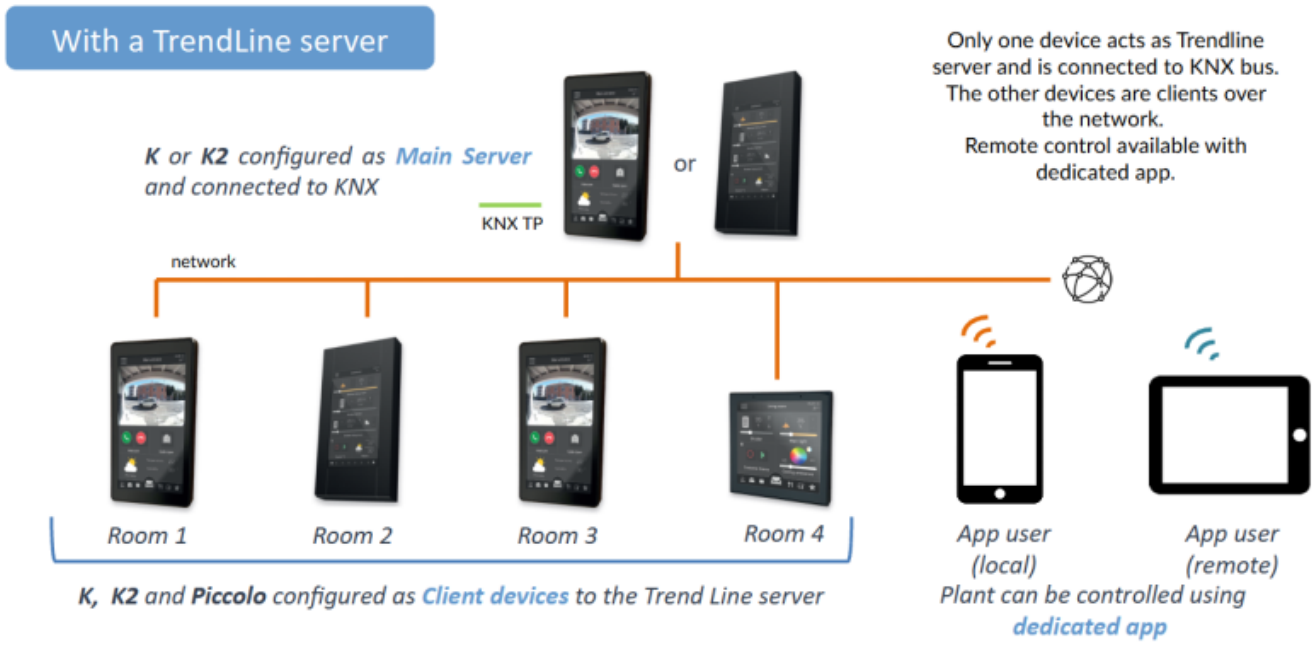
Standalone Use

Devices can operate as standard KNX keypads/thermostats with KNX connection via TP or KNX/IP.



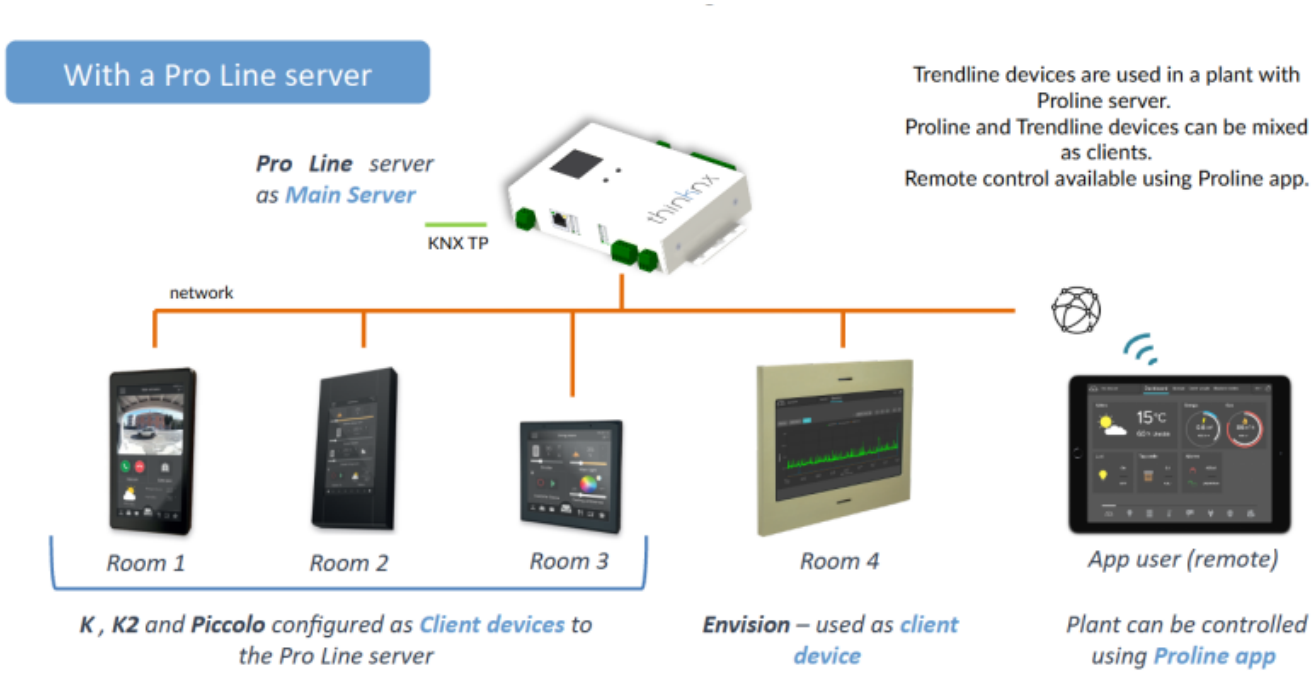
Trend Device Server

One device acts as the Trend Line server connected to the KNX bus, while other devices function as clients over the network. Remote control is available through a dedicated app.



Integrated with Pro Line Server

Trend Line devices can be used in conjunction with a Pro Line server. Both Pro Line and Trend Line devices can function as clients, with remote control accessible via the Pro Line app.



MQTT Integration

Thinknx products can now communicate with any device supporting the MQTT protocol. MQTT stands for Message Queuing Telemetry Transport and is designed as an extremely lightweight publish/subscribe messaging transport, ideal for connecting IoT devices.

A Thinknx server can be configured to work as an MQTT client, connecting to a broker/server and

subscribing to one or multiple topics, or as an MQTT server itself, handling subscriptions and topic distribution.

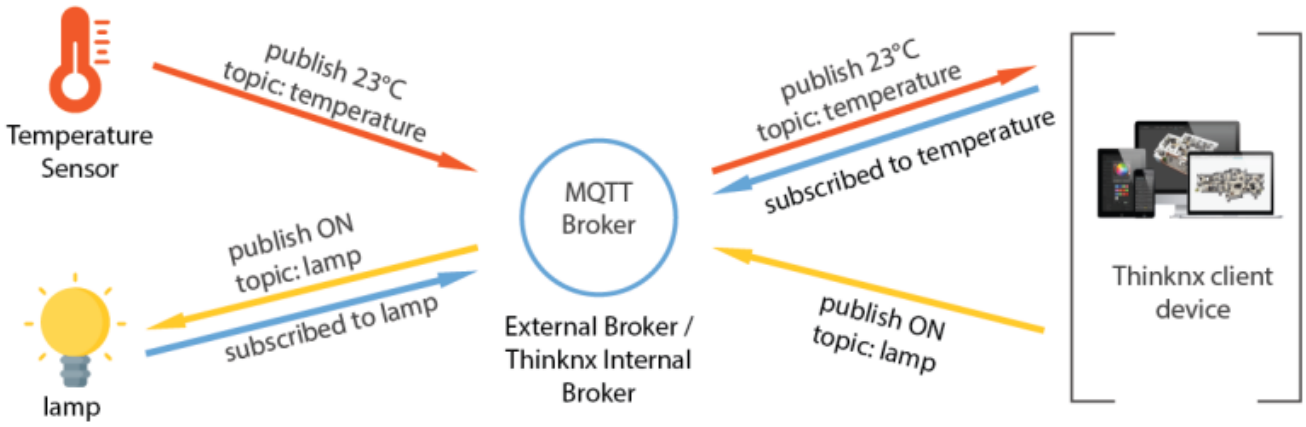


Figure 1: MQTT Overview

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Open Weather Map

Thinknx has added a new system object inside the configurator: OpenWeatherMap. This allows the server to connect to www.openweathermap.org and read all available weather information. This data can then be linked to a UI built by the integrator instead of a fixed widget, offering more freedom to create a design that matches the entire project.

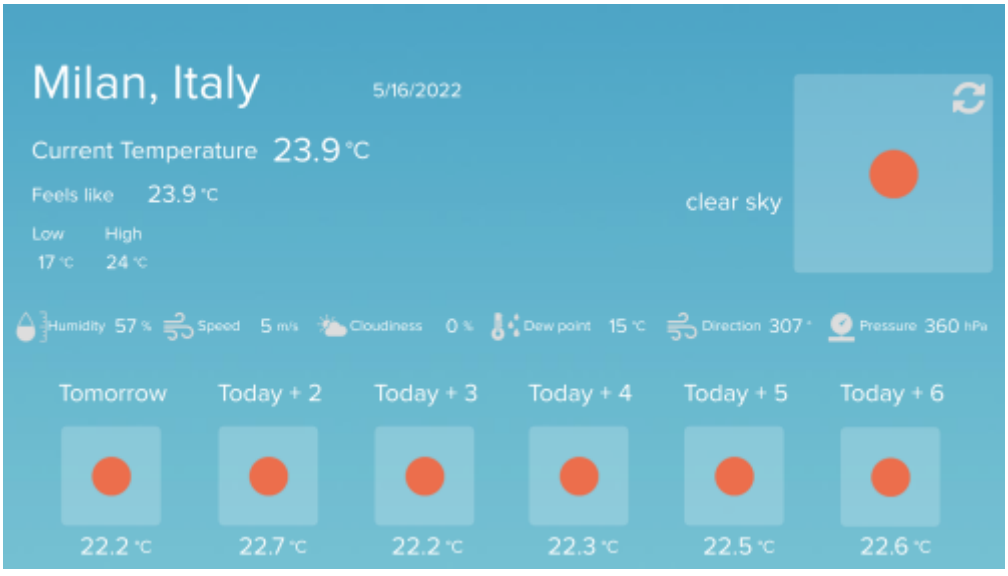

Figure 2: Open Weather Map

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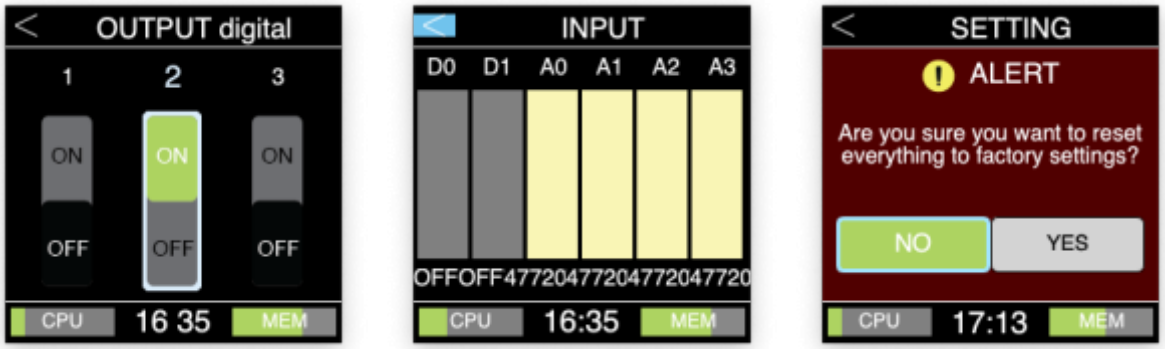
New Compact_20 / Compact_DIN

The new Compact is finally here! A completely redesigned server, unlike any product you have ever seen before. Available in two versions, Compact_20 and Compact_DIN, this server offers an extended set of I/Os and two serial ports, in addition to a small monitor that allows the integrator to easily control inputs and outputs. The Compact_20/Compact_DIN is the perfect fit for all types of projects and can be upgraded with all available licenses, such as Z-Wave, Lutron, Modbus, Intercom, Security, and more.



Figure 3: Compact_20 / Compact_DIN





Thinknx Portal

Thinknx Portal is a web tool provided by Thinknx Cloud, dedicated to system integrators as well as end users. Its main goal is to monitor and control single installations as well as multiple ones, such as multi-branch retail stores or companies, villa clusters, or hotel chains. It allows all installed servers to be virtually connected regardless of their physical location and controlled from a centralized user interface.

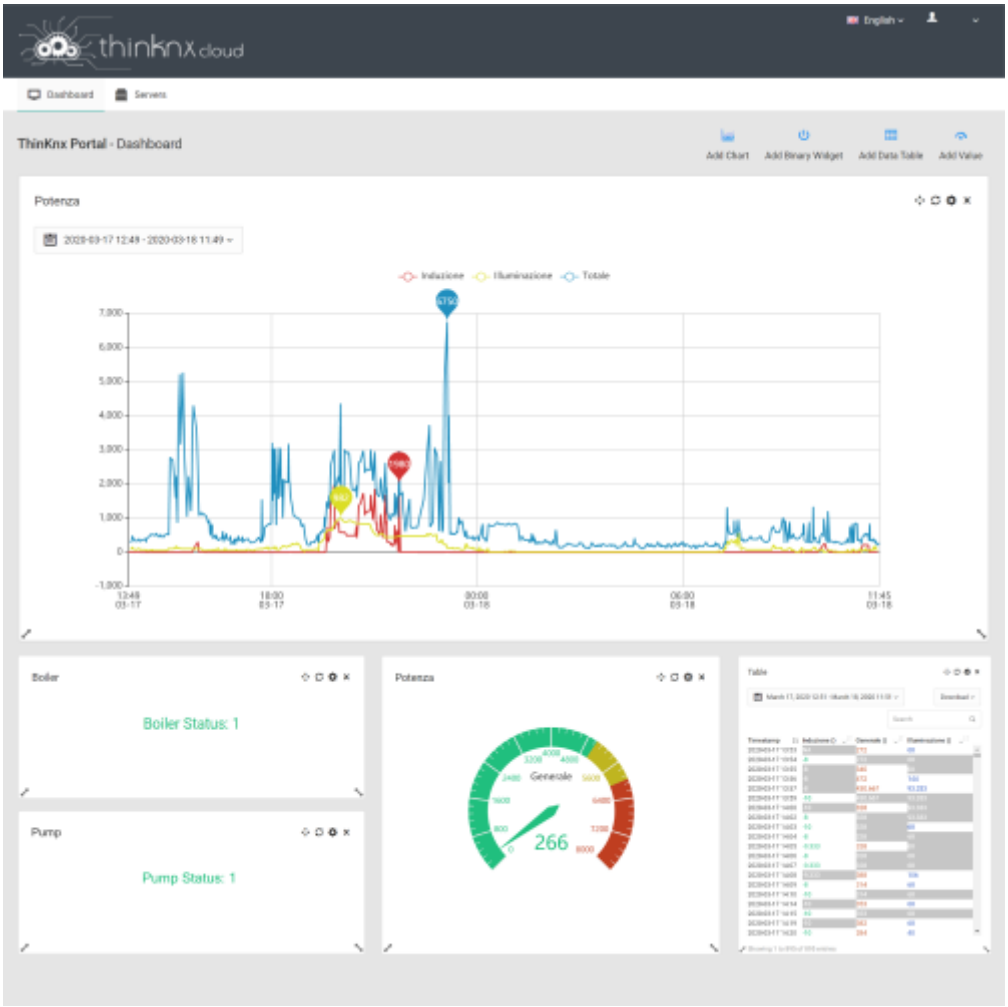


Figure 4: Thinknx Portal

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KNXNet/IP Interface

The wait is finally over! With firmware version 1.1.10.13 or above, you can now transform any Thinknx server into a KNXNet/IP interface or router.

The server will continue to function as a visualization tool, but it can also be used as a KNX programming interface or as a KNX IP router, connecting different parts of a KNX system together over IP. The Thinknx server can also communicate with other KNXNet/IP interfaces instead of using its own embedded connection to communicate with the bus.



Figure 5: KNXNet/IP Interface

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Migration to Thinknx UP

Thinknx UP is a completely redesigned version of the Classic Thinknx software. It includes additional features for system integrators and end users. This guide will help you carry out a complete and successful migration, as well as discover the latest upgrades.



Figure 6: Thinknx UP Migration

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