VISUALIZATION **CATALOGUE**

www.ilevia.com

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Smart Building Advanced Control Solutions

Ilevia is an Italian *tech company* specialized in hardware and software solutions development for the Home and Building Automation market. Since the beginning (2009) Ilevia has always been committed to develop cuttingedge, reliable and highly performing solutions to be used in the home automation and in many other fields of application.

Made in Italy

Villas   Apartments   Condos   Hotels   Factories   Offices

Smart home and building solutions.
Global. Secure. Connected.

The KNX Standard

KNX is approved as an International Standard (ISO/IEC 14543-3) as well as an European Standard (CENELEC EN 50090 and EN ISO 22510) and Chinese Standard (GB/T 20965). KNX is therefore future proof. KNX products made by different manufacturers can be combined – the KNX trademark logo guarantees their interworking and interoperability. KNX is therefore the world´s only open Standard for the control in both commercial and residential buildings.
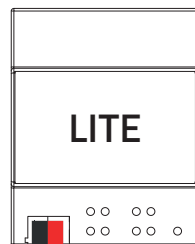
Partnerships & Certifications
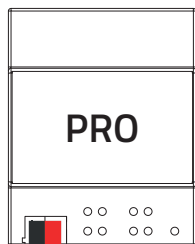
GENERAL INDEX

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X1 Server PRO

with License
PRO
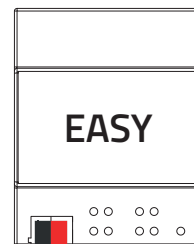
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Datasheet

Documentation

Description

X1 Server is a dedicated device on which the Ilevia visualization system is installed. The product is designed for installation on a DIN rail and occupies 4 modules. The 5 Vdc power supply is external (power supply not included in the supply). The product with hardware based on an embedded operating system, has a KNX node and can therefore be connected directly to the bus network of KNX devices. It is also equipped with two RS485 ports for connecting slave-type Modbus RTU devices and an external USB port. External connectivity is achieved through the Ethernet port that connects the device directly to the router. The project configuration is carried out through the use of the dedicated configuration software for fixed devices while the visualization environment is accessible with a dedicated app for smartphone and tablet mobile devices and fixed devices (Windows PC and Mac OS).

Technical data

- 5 Vdc power supply via special plug-in terminal
- 1 KNX bus via standard red-black TP connector
- 2 RS485 ports for Modbus RTU integration
- 1 Ethernet port with RJ45 connector
- 1 USB 2.0 Type A port
- Front LEDs: 1 Power LED; 8 Service LEDs
- Software License: **PRO (Lifetime)**

X1 Server PRO

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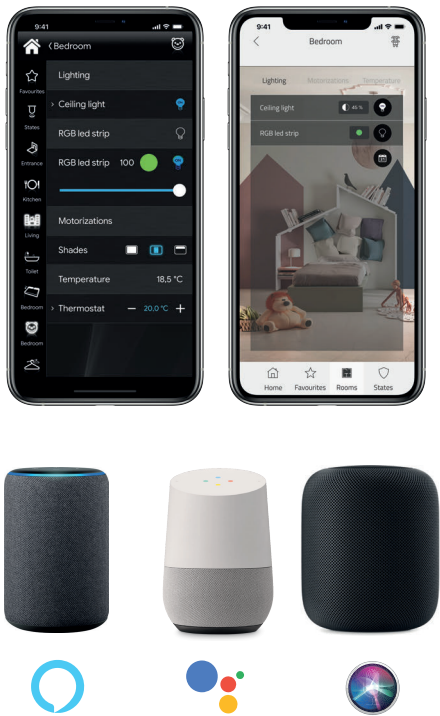
Software specifications

Standard technologies (KNX, BACnet, Modbus, Zigbee, Z-Wave, MQTT)	All
Number of KNX group addresses, BACnet devices, Modbus registers	Unlimited
Proprietary systems (HVAC, Security, Video Surveillance, Multimedia)	All
Number of scenes / recorded scenes via Ilevia app	Unlimited
Number of weekly schedules (unlimited timers)	Unlimited
Number of logical operations	Unlimited
Interface styles (Classic, Map)	All
Number of pages	Unlimited
Number of users	Unlimited
Number of clients	Unlimited
Voice control	Yes

CODE: **ILE-SRV-X1-PRO**

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Supported features
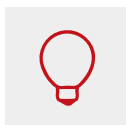
Lighting	Motorizations	Temperature	Scenes	Recorded Scenes	Schedules
HVAC	Energy	Security	Video Surveillance	Multimedia	Irrigation
Notifications	Reports	Logical Operations	Scripts	Services	Voice Control

X1 Server PRO

Integration of Home Automation Systems

Ilevia allows you to **control the lights** (brightness, RGB regulation, switching on and off), the **opening and closing of the motors** (shutters, blinds, curtains and windows actuators), the **management and control of heating and cooling**, as well as the management and control of scenes. The scenes are combinations of commands and adjustments of the integrated systems that can be activated graphically or through schedules that the user can also create in complete autonomy, without having to ask for intervention by the technician.

Supported Systems

KNX	BACnet	Modbus	by-me	MyHOME
Worldwide Standard for the automation	Worldwide Standard for the automation	Worldwide Standard for the automation	Proprietary System of Vimar S.p.A.	Proprietary System of BTicino/Legrand

Z-WAVE	zigbee	MQTT	Shelly	hue
Worldwide Standard for the automation	Worldwide Standard for the automation	Worldwide Standard for Internet of Things (IOT)	Proprietary System of Allterco Robotics	Proprietary System of Philips (lighting)

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Integration of Heating, Ventilation and Air Conditioning Systems

Ilevia allows the user to manage and control the heating, cooling, relative humidity of the rooms and the air quality of their home. You can control and manage the temperature and relative humidity parameters, **create integrated scenarios with other customizable functions for activating**, regulating and switching off the system. Ilevia offers a standard graphic component (widget) to meet the integration needs of room thermostats and of the most widespread HVAC systems, but it also allows you to independently design the component graphics (custom widget) to control the functions made available by the HVAC system.

Supported Systems

INTESIS WIFI interfaces
for HVAC integration

COOLMASTERNET interface
for HVAC integration

AIRZONE AIDOO interfaces
for HVAC integration

ELFOCONTROL 2
proprietary system

SMARTCOMFORT 365
proprietary system

TU01 / TU02 series
room thermostats

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Consumption Monitoring and Load Control

Ilevia allows you to monitor energy consumption and any electricity production through a photovoltaic panel system, with dedicated management. **The measurement of consumption can take place through devices on different technologies.** Regardless of the technology, production and consumption data are displayed uniformly in the visualization graphics, and logged within the server.

Ilevia also offers a powerful load control logic, which operates by intervening with the disconnection of the utilities set to exceed an alarm threshold, according to a precise priority set in advance by the installer and **modifiable as desired by the end user through the app**. The user can also decide that for a certain time, **a user must not be disconnected if the threshold is exceeded**; in this case it is sufficient to set it in manual mode, again using the Ilevia app.

Supported Systems

KNX®	ASHRAE BACnet®	Modbus
Worldwide Standard for the automation	Worldwide Standard for the automation	Worldwide Standard for the automation

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Integration of Intruder Alarm Systems

Ilevia natively integrates some intruder alarm systems through their proprietary protocol; this makes integrated control of the safety system possible within the visualization, **even where this does not operate on standard KNX technology.**

Supported Systems

Satel
ITALIA

INTEGRA serie
alarm control panel
with LAN communication

inim
ELECTRONICS

PRIME serie
alarm control panel
with LAN communication

IESS
SECURITY PARTNER

GENIO serie
alarm control panel
with LAN communication

Tecnoalarm

TECNOALARM alarm control
panels compatible with
TECNO-OUT protocol

EL.MO. SPA

VILLEGGIO, PREGIO,
ETR, PROXIMA series
alarm control panels

VIMAR

BY-ALARM serie
alarm control panel
(arm / disarm alarm)

EL.MO. SPA

TACORA serie
fire alarm control panel

VIVALDI

VIVALDI EN54 EVO
EVAC System

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Integration of Video Surveillance Systems

Ilevia allows viewing of the stream of compatible cameras, directly from the Ilevia app, without having to open the dedicated app. The various parameters made available during the configuration allow you to set the addresses to point to on the local network and remotely.

Supported Systems

HIKVISION

Network Cameras,
NVR/XVR, HDCVI

alhua TECHNOLOGY

Network Cameras,
NVR/XVR, HDCVI

GANZ by

Network Cameras,
NVR/XVR, AI-BOX

BOSCH

Network Cameras

JPG / MJPG / / H264 /
H265 / RTSP / HTTP

Universal Support

2N An Axis company

Video Stream and
HTTP requests

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Integration of Multimedia Systems

Ilevia allows communication with the building's multimedia systems connected to the local network and offers an integrated control experience of the audio and video terminals in the various areas of the house or office from any device: smartphone, tablet, PC / Mac.

Supported Systems

VIVALDI	SONOS	DENON	ONKYO	Pioneer
CA20/21, FREENET, MK2/3 multi-room system series	WIFI based multiroom system	HIFI system based on proprietary protocol	HIFI system based on proprietary protocol	HIFI system based on proprietary protocol

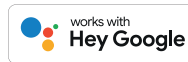| SAMSUNG	LG	BLUSTREAM	IRTrans	ARTNET ETHERNET
Samsung SYNCMASTER Professional TV Monitors	LG SMART TV with LAN communication	BLUSTREAM Audio/Video matrixes	IRTRANS interfaces for IR integration	ARTNET converters for DMX integration

X1 Server PRO

Integration of Voice Assistants

Ilevia in combination with the Ilevia Cloud service allows interaction with the home automation system **through voice commands given to the Amazon, Google and Apple smart speakers. Simple voice messages allow you to execute commands, request the status of the devices and start scenes**; vocal interaction with the KNX standard home automation system joins, in the presence of an Internet connection, interaction via wall-mounted devices and mobile devices (remote control through the voice assistant app).

Supported Services

works with alexa	works with Hey Google	Works with Apple HomeKit
Amazon Alexa Voice Assistant	Google Assistant Voice Assistant	Apple HomeKit Voice Assistant

IFTTT	☁️
IFTTT Automations (third party cloud)	Weather Station (third party cloud)

License, Software and App

What is included in the purchase?

The purchase of the X1 server PRO / LITE / EASY includes in the price a PRO / LITE / EASY license for the creation and commissioning of a visualization project. The software license associated with the server (8 characters) is valid for life and does not require renewal costs.

License upgrade and update

The Ilevia system allows you to upgrade to a higher license version at any time and to update the license for the use of functions and/or additions not supported by the initially purchased server version. The costs of these services vary according to the individual situation, upon request. The upgrade operation does not require the replacement of the X1 hardware component.

Configuration software

The entire configuration of the visualization project is carried out using the dedicated Ilevia configuration software for fixed devices, which can be downloaded free of charge from the Ilevia website.

Operating Systems Compatibility (desktop)

Operating Systems Compatibility (mobiles)   -   -

Ilevia App

The dedicated Ilevia app, available for both smartphone and tablet mobile devices and fixed devices, shows the user the system control interface. The Ilevia app can be downloaded free of charge on the Ilevia website and on the Android and Apple App stores.

Operating Systems Compatibility (desktop)

Operating Systems Compatibility (mobiles)

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For sales inquiries please address sales@ilevia.com.