

VISUALIZATION **CATALOGUE**

www.ilevia.com





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



X1 Server PRO



Download



Datasheet



Documentation

Description

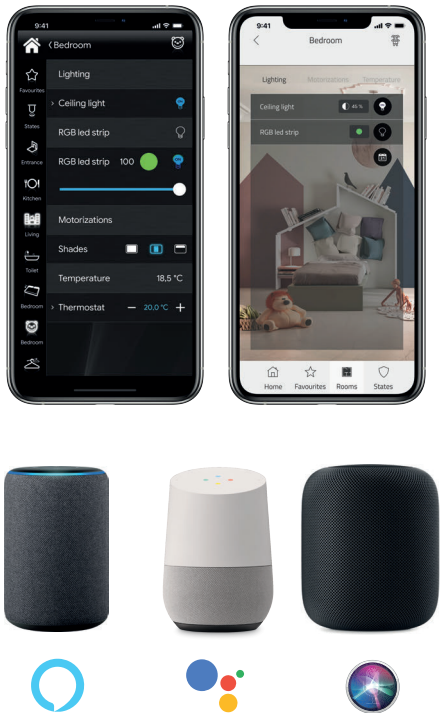
X1 Server is a dedicated device on which the Ilevia visualization system is installed. The product is designed for installation on a DIN rail and occupies 4 modules. The 5 Vdc power supply is external (power supply not included in the supply). The product with hardware based on an embedded operating 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)**

VISUALIZATION

X1 Server PRO



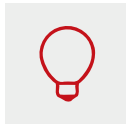
Software specifications

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

PRICE: € 1.180,00

Supported features



Lighting



Motorizations



Temperature



Scenes



Recorded Scenes



Schedules



HVAC



Energy



Security



Video Surveillance



Multimedia



Irrigation



Notifications



Reports



Logical Operations



Scripts



Services



Voice Control

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



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



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)

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

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



Worldwide Standard
for the automation



Worldwide Standard
for the automation



Worldwide Standard
for the automation

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



INTEGRA serie
alarm control panel
with LAN communication



PRIME serie
alarm control panel
with LAN communication



GENIO serie
alarm control panel
with LAN communication



TECNOALARM alarm control
panels compatible with
TECNO-OUT protocol



VILLEGGIO, PREGIO,
ETR, PROXIMA series
alarm control panels



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



TACORA serie
fire alarm control panel



VIVALDI EN54 EVO
EVAC System

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



Network Cameras,
NVR/XVR, HDCVI



Network Cameras,
NVR/XVR, HDCVI



Network Cameras,
NVR/XVR, AI-BOX



Network Cameras

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

Universal Support



Video Stream and
HTTP requests

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

CA20/21, FREENET, MK2/3
multi-room system series

SONOS

WIFI based
multiroom system

DENON

HIFI system based on
proprietary protocol

ONKYO

HIFI system based on
proprietary protocol

Pioneer

HIFI system based on
proprietary protocol

SAMSUNG

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

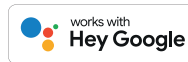
Integration of Voice Assistants

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



Amazon Alexa
Voice Assistant



Google Assistant
Voice Assistant



Apple HomeKit
Voice Assistant



IFTTT Automations
(third party cloud)



Weather Station
(third party cloud)



License, Software and App

What is included in the purchase?

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

License update

The Ilevia system allows you 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)



Ilevia S.r.l. reserves the right to make any modifications it deems necessary to the products in the following catalog in order to improve their quality, at any time and without notice.

Some items may be available while supplies last. For actual product availability, always refer to the Ilevia sales network. For assistance and replacement, refer to the Ilevia sales office.

Last updated: March 2023.



www.ilevia.com

© Copyright by Ilevia S.r.l. All rights reserved.

For sales inquiries please address sales@ilevia.com.