Performance Server

THE CENTRAL HUB FOR SMART BUILDINGS

For use in a 19" server rack

Including YOUVI software package

iOS and Android app included

Developed for use
in the commercial sector

Versatile and powerful

The Performance Server takes care of the central control of the entire building technology. Developed for commercial or private use and installation in 19" racks, it meets requirements for both the necessary performance and energy consumption. The included YOUVI software is used to visualise and intuitively control the entire KNX installation. Thanks to the included IP router software, the building can be controlled without further hardware via PC or, if required, also via smartphone or tablet. Remote maintenance software for support, or any subsequent improvements, comes already included. Together with an ISE gateway, there are additional options for making changes to the KNX installation remotely – transparently and easily. The included bus monitor makes it easier to troubleshoot on the bus.

Scope of application

The Performance Server is mainly used in commercial projects. It thus forms the counterpart to the PEAKnx Home Automation Server (www.peaknx.com/has), which is designed more for domestic use. Performance and plenty of storage space allow the Performance Server to process larger amounts of data and perform regular backups. Larger KNX projects are no problem here. Especially for the private sector, the diverse options, ranging from the integration of music to a weather station (Sonos, Philips Hue, Netatmo, etc.), offer further flexibility in use, which is then rounded off by additional access to Windows applications. Once set up, the server does not require Internet access for building control and can thus also be used within a closed system. Access to the building installation can be restricted as needed and precisely designed for each user.

Functions

The Performance Server connects control panels, mobile devices and various technical systems with each other and automates recurring processes via the logic module. The status of the building technology can be conveniently monitored from a PC workstation and specifically changed for certain floors or open-plan offices. To save energy, the Performance Server enables demand-oriented control of heating, cooling and lighting, whereby values can be defined individually for each room for any period of time. By recording consumption and operating data, the server offers extensive material for further optimisation of energy management. To provide a sense of security, the server enables the networking of motion detectors, sensors and IP cameras to monitor the entire building and technical facilities, both inside and outside.

Use the room buttons to go directly to your desired room and control groups of lights, shutters and more without having to navigate a lot.

Always have a live view of how much energy is being consumed or recovered.

Take advantage of the overview navigation bar, which is divided into technical systems, floors and a custom dashboard.

In addition to controlling roller shutters, blinds, lights, (RGBW) dimmers, switches and heaters, you can also easily integrate the weather station.

Ventilation systems are clearly presented and make it easier to control your indoor air quality.

Each tile can be displayed in two different sizes.

Various sensors, e.g., for humidity, wind speed and brightness, as well as binary sensors for window and door contacts are supported.

THE YOUVI
ADD-ON PRINCIPLE

With our YOUVI add-ons, we offer you exactly the features you need. YOUVI Basic covers the most common building control tasks. The additional add-ons make it possible to expand the functionality as required. This gives you a building control system that is precisely tailored to you. The add-ons only need to be purchased once per building setup.

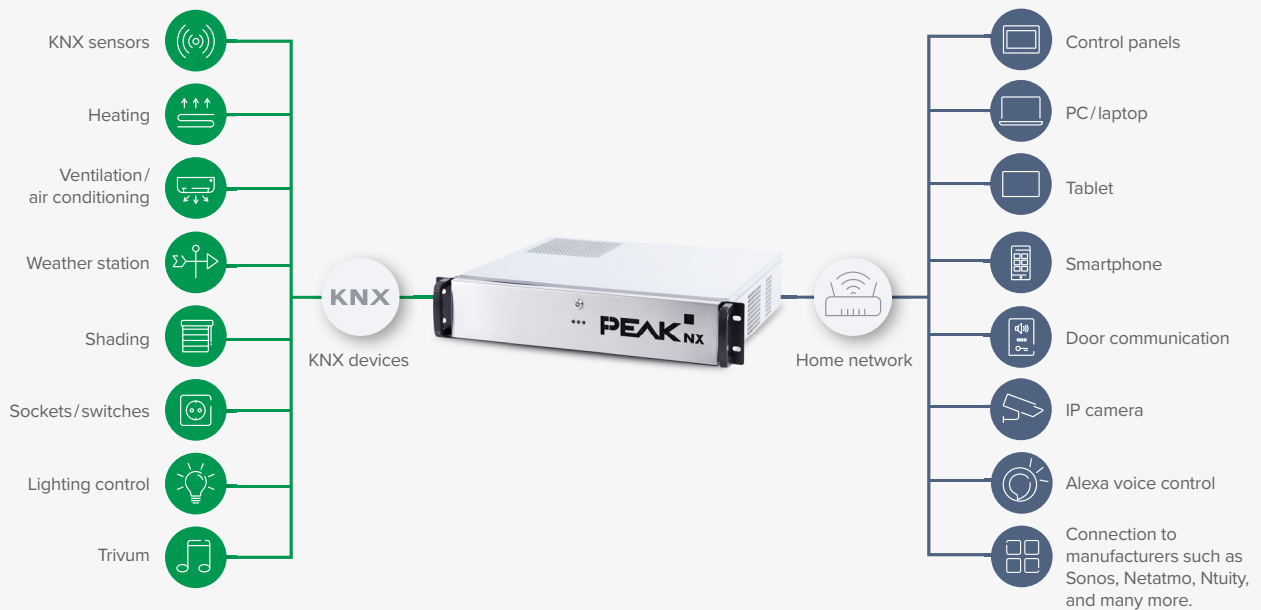|			
Visualisation For clear control of lights, dimmers, RGB(W) luminaires, shading, heating, sockets and ventilation systems. Available in English, French and German.	✓		
Bus monitor For quick troubleshooting on the KNX bus.	✓	YOUVI BASIC	
IP router To connect the KNX network without extra hardware.	✓		
Connect module For control via voice command (online or offline) or with the YOUVI app on the go.	Optional		
Camera module To connect surveillance cameras.	Optional		
Logic module For easily creating if-then routines.	Optional	ADD-ONS	
Door station module For simple video door communication in the best sound quality.	Optional		
Device bridges For integrating devices outside the KNX standard. For information on manufacturers, visit **peaknx.com/youvi**.	Optional		

Control your home comfortably with the YOUVI mobile app. This is available free of charge for Android and iOS smartphones and for use in your own home network. The app is available in both a light and dark design.

OVERVIEW

KNX sensors		Control panels
Heating		PC / laptop
Ventilation / air conditioning		Tablet
Weather station		Smartphone
Shading	**KNX**	Door communication
	KNX devices	
Sockets / switches		IP camera
Lighting control	Home network	Alexa voice control
Trivum		Connection to manufacturers such as Sonos, Netatmo, Ntuity, and many more.

Technical data

Specifications

- Quad-core processor
- Operating system: Windows 10 IoT Enterprise LTSC
- Low-noise fans
- Interchangeable hard drive: SSD 120 GB, 2.5 inch
- RAM: 4 GB
- Ethernet: 10/100/1000 Mbit/s
- Including YOUVI software package, consisting of visualisation software, IP router and bus monitor
- Aluminium housing suitable for 19-inch server cabinet
- Optional security package, including backup software, additional 250 GB SSD hard drive, and recovery stick

Supply

- Supply voltage: 110 to 230 V
- Max. power consumption during operation: 40 W
- Starting power max.: 80 W
- Standby operation: 2 W

Connections

- 2 x USB 2.0
- 2 x USB 3.2 Gen1
- DP V1.2
- Ethernet GLAN
- HDMI V1.4
- KNX
- Line in/line out
- PS/2

Dimensions and environment

- Dimensions, W x H x D: 430 x 90 x 400 mm

General information

- Weight: 7.6 kg

- Including YOUVI software package, consisting of visualisation software, IP router and bus monitor
- Building control via smartphone, tablet or panel
- Fast remote maintenance possible
- Interchangeable SSD hard drive (120 GB)
- Energy-efficient
- High reliability