



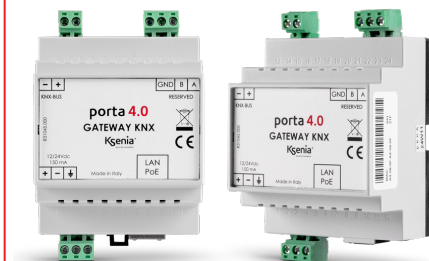
Description

KNX is an open, internationally recognized standard for the automated and decentralized management of building systems in a wide range of contexts, including commercial and industrial buildings, offices, homes, public spaces and schools.

porta 4.0 is ksenia's KNX gateway that enables bidirectional integration between the KNX world and ksenia control panels of the lares 4.0 family.

Through the KNX telegrams received by porta 4.0, it is possible to control the lares 4.0 control panel, for example:

- arming/disarming partitions
- activating scenarios
- including/excluding zones
- turning outputs on/off.



KSI4300001.300

The lares 4.0 control panel can, in turn, send KNX telegrams via porta 4.0 to KNX modules following status changes of partitions, zones, and outputs.

Configuration is carried out from the web interface of the lares 4.0 control panel.

The device connects to the control panel via Ethernet and can be powered via PoE or through an external 12/24 Vdc power supply.

Technical Specifications

Power supply:	12/24 Vdc – or – PoE
Current consumption:	250 mA
Ethernet interface:	RJ45
Operating temperature:	from +5°C to +40°C
Dimensions:	69 x 86 x 58 mm (W x H x D) – 4 DIN modules
Weight:	130 g

System maximum configuration

lares 4.0 models	wls 96	16	40	40 wls	140 wls	644 wls
Maximum number of porta 4.0 modules	1	1	1	1	1	1

How to order

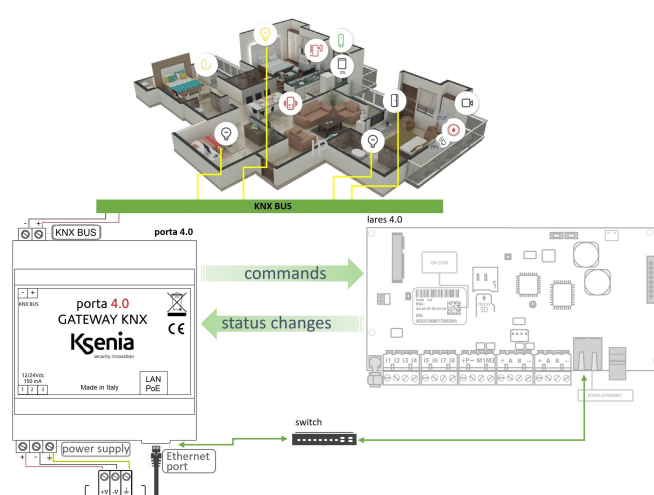
KSI4300001.300 porta 4.0 - KNX gateway

Compliance

Europe - CE, RoHS



System architecture



The architecture requires porta 4.0 to be connected to the KNX bus and to the lares 4.0 control panel via the LAN, through a switch, always using a network cable (Ethernet).

porta 4.0 acts as a gateway between the KNX home automation system and the lares 4.0 control panel, enabling bidirectional integration between the building automation system and the intrusion control system.

On the lares 4.0 side, porta 4.0 communicates over the IP network using ksenia's proprietary protocol, through which the control panel and the gateway exchange commands and status updates: the control panel can receive commands coming from the KNX bus (for example arming/disarming partitions, activating scenarios, managing zones and outputs) and send system status changes to the gateway. On the KNX bus side, porta 4.0 communicates via KNX telegrams, sending and receiving information from sensors, actuators and field devices (lighting, HVAC control, automation, etc.).

In this way, porta 4.0:

- translates KNX telegrams into commands that can be interpreted by the lares 4.0 control panel;
- converts control panel status changes into KNX telegrams addressed to the devices on the bus.

Technical specification, appearance, functional and other product characteristics may change without notice.