

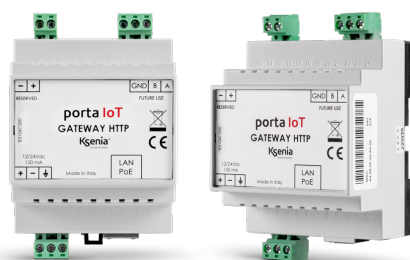
Description

porta IoT is the licensed gateway that uses the HTTP/HTTPS protocols. It enables the integration of third-party IoT devices and provides a simple, immediate connection to Ksenia control panels in the lares 4.0 family, avoiding — in most cases — SDK-based integrations.

This is possible because porta IoT exposes APIs that allow, among other things, to:

- include/exclude and alarm/restore zones;
- activate/deactivate monostable and bistable outputs;
- run a scenario;
- arm/disarm partitions.

The device includes the gateway license, which enables bidirectional communication: the control panel can therefore send notifications and commands to third-party devices to trigger actions, for example:



KSI4300002.300

- send commands to smart Wi-Fi devices to control their outputs;
- send commands to motorized cameras to frame specific areas or activate dedicated functions.

It therefore enables the integration of any third-party IoT device capable of exchanging HTTP requests, configurable directly from the lares 4.0 control panel web interface, without dedicated software. The communication security level can be selected by enabling HTTPS and/or adding an encryption key.

It connects to the control panel via Ethernet and can be powered either via PoE or by 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:	+5 °C to +40 °C
Dimensions:	69 × 86 × 58 mm (W × H × D) – 4 DIN modules
Weight:	130 g

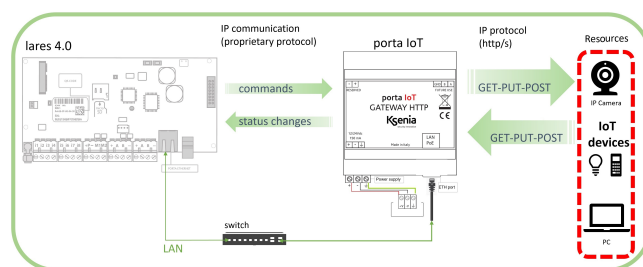
System maximum configuration

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

How to order

KSI4300002.300 porta IoT - bidirectional HTTP gateway

System architecture



The architecture includes porta IoT connected to the lares 4.0 control panel and to the LAN network through a switch, always via Ethernet cable.

porta IoT acts as a gateway between the control panel and external smart devices (e.g. cameras and IoT devices on Wi-Fi/IP networks). Toward the lares 4.0 control panel, porta IoT uses the proprietary ksenia protocol, through which the panel and the module exchange commands and status updates: the control panel sends commands (function activation, scenarios, etc.) and receives information about events coming from the external environment.

Toward the external world, porta IoT communicates via HTTP/HTTPS, sending and receiving requests (GET, POST, PUT, etc.) to and from IoT devices.

In this way, porta IoT:

- translates lares 4.0 commands into HTTP/HTTPS requests understandable by external devices;
- converts requests coming from IP devices into actions that can be executed by the control panel.

Compliance

Europe - CE, RoHS



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