

Last information update: March 2025

**Product code**

XA68: Kit Gateway Citygrid

**Technical description**

The Citygrid Gateway is a wireless network device that connects a lighting system equipped with a Citygrid Controller to the cloud and the Citygrid Dashboard. The gateway kit consists of a DIN rail gateway unit (4 modules), a DIN rail power supply (2 modules), and an omnidirectional antenna for "pass-through" installation in a local electrical panel. With one or more Gateways near the lighting system, remote functionalities such as light profile management, device visualization on a map, analytical information of the system on individual lighting devices, reporting, and system status with email notifications in case of malfunction are fully utilized. A Citygrid installation can be composed of any combination of Citygrid Controllers, including the Citygrid Zhaga controller, the Citygrid Zhaga controller with sensor, the Citygrid On Pole controller, any "Citygrid enabled" device, and the Gateway. Integration with third-party systems is possible thanks to the available APIs and the TALQ certification.

**Features:**

- Maximum number of Citygrid controllers per gateway: 250
  - Integrated GSM SIM with European roaming coverage
  - 4G connectivity (bands B1, B2, B3, B4, B5, B8, B12, B13, B18, B19, B20, B25, B26, B28, B66, B71, B85, B8\_39d); 2G connectivity (bands B3, B5, B8)
  - Communication through the 6LoWPAN 868.3 MHz wireless protocol to IEEE 802.15.4 standard
  - AES-128 encrypted wireless network
  - OTA (over-the-air) firmware update
  - 3 status LEDs on the front; power, GSM connection, mesh network connection
  - DIN rail power supply included Vin 220-240 VAC, Vout 5VDC 3A max, equipped with a cable with connector for the secondary
  - Multiband circular "pass-through" antenna for frequencies 850, 868.3, 900, 1700, 1800, 1900, 2100, 2600 MHz equipped with 2 shielded cables and SMA/RP-SMA connectors for direct connection to the gateway module. The antenna is fixed with the supplied washer and nut, exclusively in a horizontal position.
- Each Gateway in the system must be enabled with an annual or multi-year renewable subscription at the customer's choice (contact iGuzzini for more information).

**Installation**

The Citygrid Gateway must be installed inside an electrical panel with a maximum distance of <50 m from any Citygrid controller in the system it will be part of. The antenna must be installed on the upper horizontal surface of the same dedicated electrical box.

**Colour**

Indeterminate (00)

**Wiring**

The Citygrid Kit only requires wiring for power to the mains. Refer to the component instruction sheet.

**Notes**

The integrated GSM SIM has European coverage and is not replaceable.  
Operating temperature from -30°C to +60°C, use up to 2000 m above sea level.  
IP Gateway/Power Supply/Antenna: IP20 / IP20 / IP67.  
IK Antenna: IK09.  
DIN Modules Gateway/Power Supply: 4DIN / 2 DIN.

Complies with EN60598-1 and pertinent regulations

