NB-IoT Remote Control Node BOX type



The NB IoT Node is a basic element of Point-to-Point remote management, essential for integrating the lighting network in a Smart City framework. It is a device that monitors and controls a light point. The node has the ability to connect to an NB-IoT wireless communications network using a nano SIM card. In this way, it communicates bidirectionally with a remote management platform, such as Aurant Lighting Module. From the platform, orders are sent to the node to act on each luminaire, remotely managing its switching on, off or dimming. On the other hand, the node sends to the platform the information collected from each light point, monitoring the data of the lighting network.
The node includes a brightness sensor to switch the luminaire on or off depending on the ambient light level, even if it is disconnected from the net. It has an integrated GPS that automatically geolocates each light point on the map, a consumption meter to monitor the operation of the luminaires and detect failures or anomalies in the mains, and a supercapacitor that maintains the node's autonomy in the event of a power failure, to preserve the functions and the collected data. It also has an accelerometer that detects the movement of the node, thus warning of a possible fall of the luminaire, impact or theft.
It is compatible with any luminaire equipped with 1-10V or 0-10V communication.

Ref.	695121
Logical ref.	IOTBXSIM1NCE
EAN13	8424450276921

Other features	
Connectivity	10 years

Packaging info	
Box	1 pcs.

Physical data	
Net weight	175.00 g
Gross volume	0.55 dm^3
Gross weight	200.00 g
Width	132.00 mm
Height	87.00 mm
Depth	37.00 mm

Highlights

- Connectivity via NB-IoT
- Remote management of on/off switching of the luminaire
- Dimming
- Compact Size: Reduced size for ease of installation, compared to similar systems on the market
- Over the Air (OTA) remote updating
- Electrical safety: Class II module with no grounding required
- It is compatible with any 1-10V or 0-10V dimmable luminaire

Technical specifications

Input		
Powering	V	220-240
Frequency	Hz	50/60
Max. Current	A	0,02
Load output		
Load voltage	V	220-240
Frequency	Hz	50/60
Max. Power	W	1250
Dimmer control output		
Voltage	V	1-10
Current	A	0,01
Temperature		
Operating temperature	ºC	-35 ... 45
Safety		
Isolation		Class II
Protection level		IP67