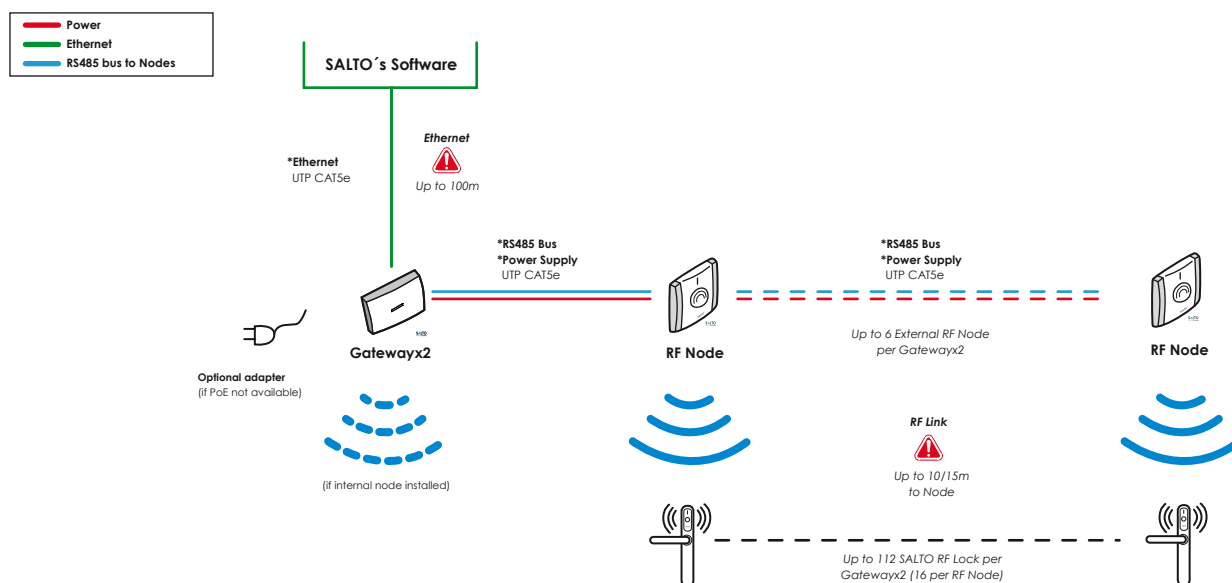
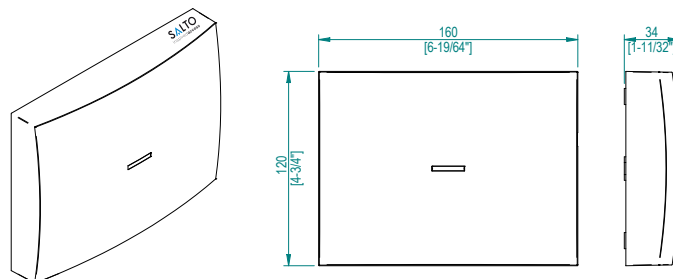


Gatewayx2

EN Description

The Gateway is the link between the PC and SALTO's wireless network RF2 (wireless escutcheons). It gives real-time information to the PC. Gateways are completely managed through the SALTO Software, it collects all the information sent by escutcheons that belong to the Gateway. It has been designed with PoE technology, capable of power the Gateway through Ethernet infrastructure.



EN Electrical characteristic

Operation conditions

	Min	Typ	Max	Unit
Temperature	0	25	60	°C
Humidity	35		85	%

Cable requirements

Ethernet	UTP CAT5e
Node Connection (AB)	Generic twisted pair wire ^{Note 1}
Node Connection (Vdd)	24 AWG

RF Characteristics (if internal node installed)

Frequency Range	2405-2480 Mhz
RF Standard	IEEE 802.15.4
Indoor Radio Range	10/15m

PoE (IEEE802.3af)

	Unit
Class	2
Max Power	5 W
Ethernet Standard	10 BASE-T/100 BASE-TX

Auxiliary Power Supply

	Min	Typ	Max	Unit
Input Voltage ^{Note 2}	10	12	15	V
Current consumption ^{Note 3}	75 ^{Note 4}		375 ^{Note 4}	mA

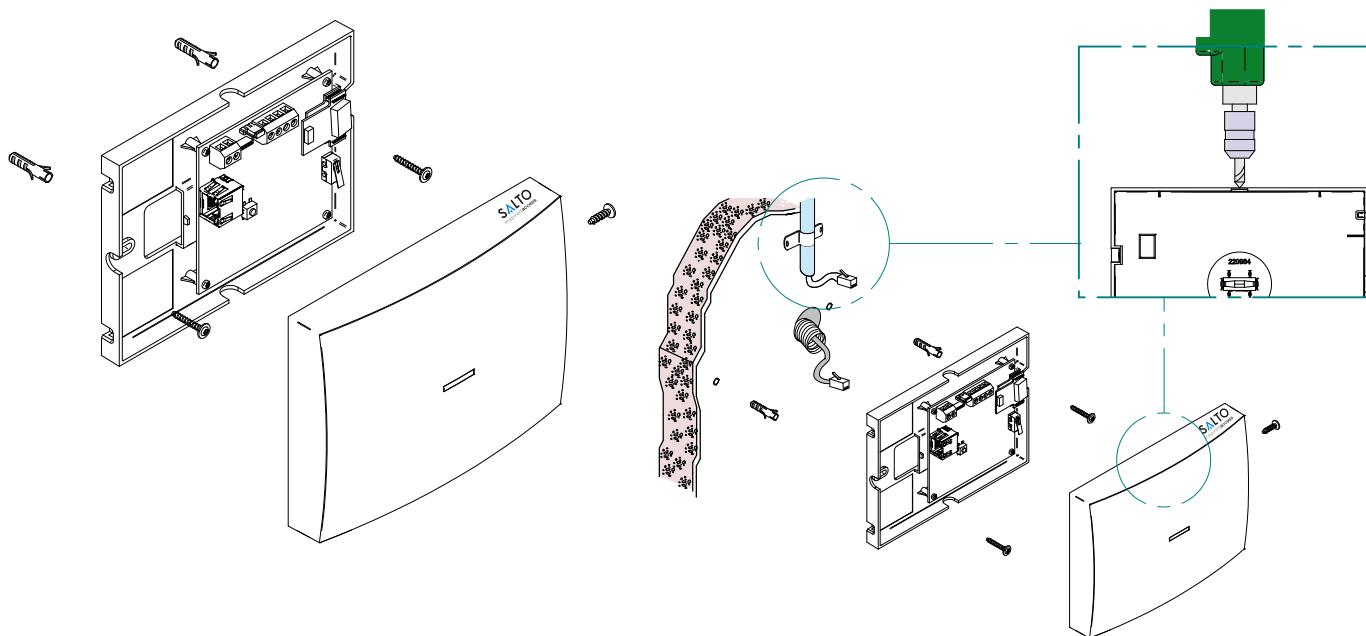
Note 1: 1x2x24AWG or UTP CAT5e recommended

Note 2: Use provided AC-DC power supply

Note 3: No external/internal node connected

Note 4: 6 external node connected

EN Mechanical Installation



EN Electrical Installation



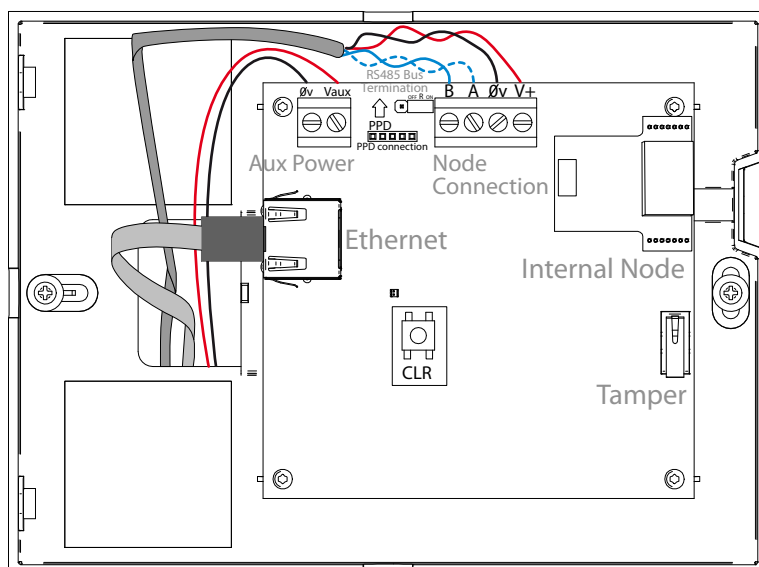
- EN - When PoE and auxiliary power supplies are connected at the same time, PoE is disconnected.
- Pressing CLR button 5 seconds, Gateway enters in addressing mode.



- EN RS485 bus termination resistor is needed (ON position) when the node is located at the end of the bus.



- EN Auxiliary power supply needed when Ethernet infrastructure is not PoE (Power over Ethernet)



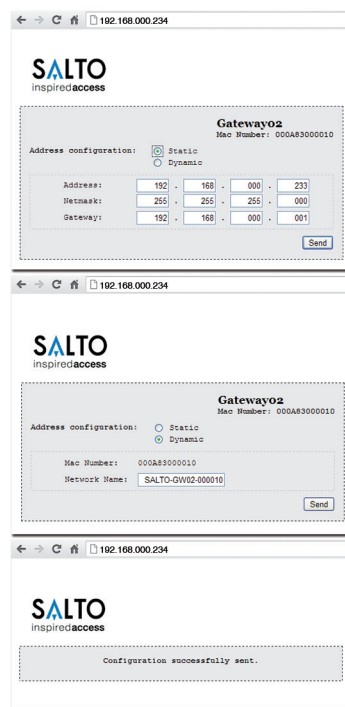
EN Configuration

EN Addressing and configuration

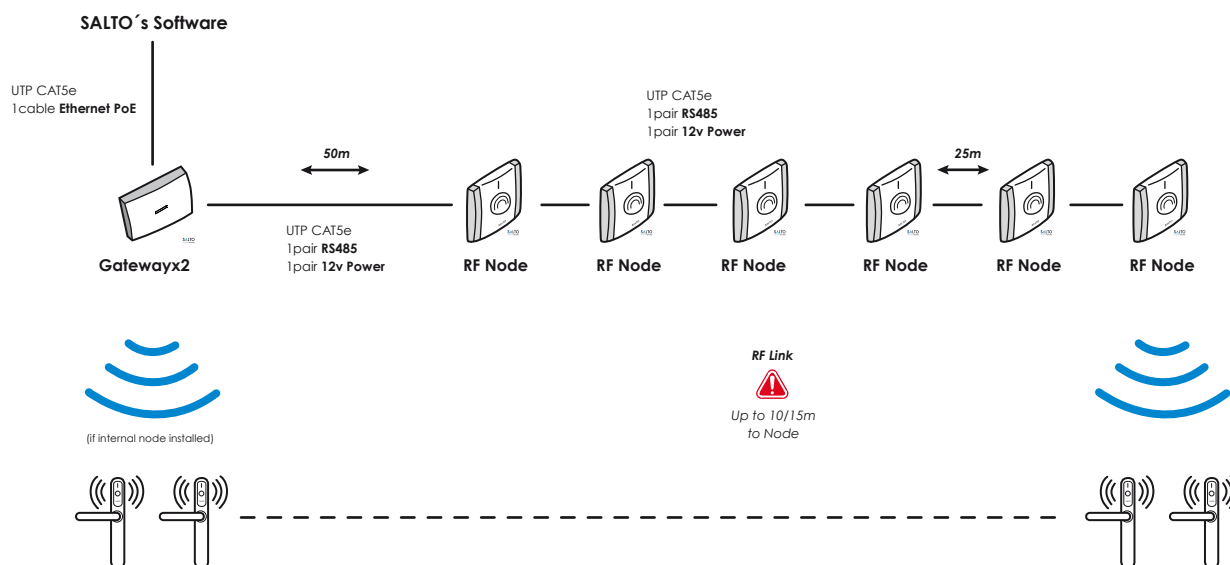
Gatewayx2 is a DHCP ready device. If there is no DHCP server on the local Ethernet network, user can manually configure a fixed IP address changing different parameter using Gatewayx2 Web Server:

1. Pressing CLR button for 5 seconds, Gatewayx2 enters in addressing mode (green LED turns to orange).
2. Access to 192.168.0.234 IP address with a standard browser and configure network parameters as needed.
3. Pressing again CLR button for 5 seconds or confirming the configuration, the device is going to quit the addressing mode.

When addressing process success, configure the RF2 network with SALTO's software (check the help of the application).



EN Installation Example



EN Signalling

EN The LED in the top layer of the Gateway shows the state of the system:

LED colour	Description
No light	Lack of power supply
Green	Everything is ok
Orange	Gateway in 'Addressing Mode' state
Red	Gateway in 'Bootloader mode' state
Flashing Green	No initialized by SALTO's software

The LEDs on the Ethernet Connector show the state of the Ethernet communication:

LED colour	Description
No light	No Ethernet connection
Green	Ethernet active
Flashing orange	Data transfer taking place through Ethernet.

EN Operational test

EN Once the product is installed, follow these steps to check the correct operation:

- Visually check that the LED is active after power on.
- When nodes and locks are installed, check that the LED is green.
- Check Ethernet connector LED to know communication state.

EN Maintenance

EN This unit should be tested at least once a year as described in "Operational Test".

EN Declaration of Conformity

EN SALTO Systems S.L. (Arkotz Kalea (Pol. Lanbarren), 9 – 20180 Oiartzun– Spain) declares herewith under its sole responsibility that the product: Gatewayx2 complies with the requirements of the Directive 2004/108/CE (Electromagnetic Compatibility) and the Directive 2006/95/CE (Low Voltage). You will be able to find a copy of the original declaration of conformity at the following Internet address: <http://www.saltosystems.com>