



ResIoT[®] X1

Indoor Base Station LoRaWAN[®] Gateway

ResIoT[®] X1 is one of the most powerful **Indoor LoRaWAN[®] Gateway/Base station** model.












Its hardware components guarantee very **high performance** and make this gateway perfect for long and complex operations.

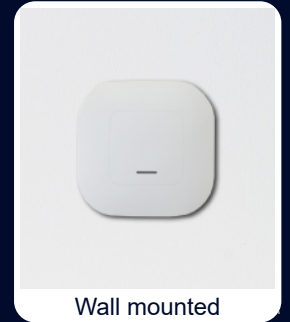
Thanks to its compact case, this device is perfect to be installed in **business places and buildings** like offices and schools.

This gateway works in a range of temperatures from -20 °C to +70 °C.

ResIoT[®] X1 provides durable, low-power, widearea connectivity in support of **M2M and IoT applications**.



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|---|--|---|--|---|--|
|  6x Core Cortex ARM |  RAM LPDDR4 2Gb |  32Gb eMMC |  DC 12÷24V |  Modem 4G LTE/3G/2G |  ChipSIM & MicroSIM |
|  Semtech SX1303 |  LoRaWAN [®] class support |  Wifi |  -20°C to +70 °C 10%-90%H |  LoRa Net Srv & IoT Platform | |



| | |
|---------------------------------|---|
| CPU Specification | 2x A72 dual core 2Ghz + 4x A53 quad core 1.4Ghz |
| RAM & eMMC | RAM LPDDR4 2Gb, 32GB eMMC |
| Power Supply/Consumption | 12÷24V/1.5A For non-LTE version, the average power consumption is 12V/0.5A (6W) and the annual power consumption is about 52.5 kW |
| Modem & SIM | Only for LTE version, Modem Quectel 4G, LTE, 3G, 2G, EMEA EDGE GSM/GPRS Chip SIM MFF2 included and ready to activate (worldwide connectivity! Visit sim.resiot.io). MicroSIM 3FF slot available. You can use your own SIM Card (ChipSIM will be automatically deactivated) |
| Radio LoRa | Chipset Semtech SX1303, new generation of LoRa [®] baseband processor with Fine Timestamp capability that enables Time Difference of Arrival (TDOA) network-based geolocation, 8 Multi-SF LoRa [®] Channels, Listen before talk. Able to receive up to 8 LoRa [®] modulated packets simultaneously Class A,C Max TX Power +27 dBm, Receiving Sensitivity -142.5dBm |
| Connectors | Ethernet 1 RJ-45 10/100 1 x USB Host, 1 x Micro USB Device Debug LoRa 1xSMA LTE Antenna 1xSMA (only LTE version) |
| Wifi & BLE | Only for Wifi version, 802.11b/g/n + BLE |
| Working Parameters | -20°C~70°C. Operating Humidity 10%~90%, no condensing |
| Case & Size | Plastic (ABS) 190mm x 190mm x 40mm, about 0.298 Kg |