

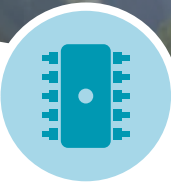


COMPACT AND ROBUST PROFESSIONAL GRADE LoRaWAN® BASE STATION



AVAILABLE NOW IN 4G LTE VERSION

Low power consumption
Quick and easy to deploy
IP65 - Outdoor and indoor use



MAIN SYSTEM

CPU – ARM Cortex-A5 600 MHz

RAM – 256 MB

Internal storage – 1 GB NAND

Extension storage – microSD card

Consumes less than
1.5 W L1 / 3 W L1 4G

Operating temperature
-30 to +70 °C



OS/SOFTWARE

LORIX OS

Wifx gateways Operating System

Intuitive and responsive
web interface

One click reliable remote updates

Clouds and LoRaWAN® forwarding
The Things Network
LoRa Basics™ Station
ChirpStack

Others possible
with seamless integration



CONNECTIVITY

Ethernet 10/100 Mbps
with passive PoE 10-48 VDC
compatible with active PoE *

USB-C connector access
for alternative configuration
and commissioning method
including web interface through
Ethernet over USB

SSH client, REST API for
batch configuration and client
infrastructure integration



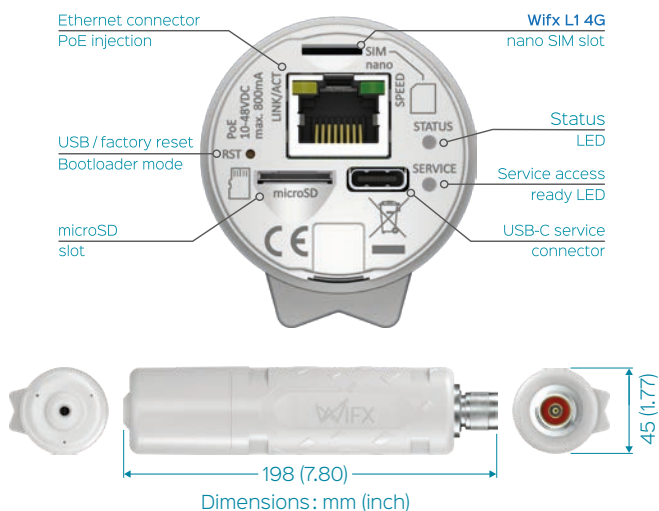
LoRa®/RF SYSTEM

SX1302 concentrator chip
with 8 channels support

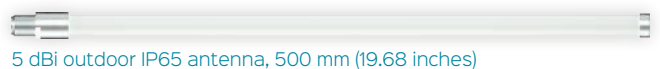
High performance in
an ultra-compact format

Supported and certified for
Europe
USA / Canada *
Australia / New Zealand *

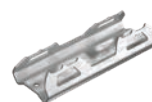
OVERVIEW AND DIMENSIONS



ANTENNAS



ACCESSORIES



WHR-L01-M01
Outdoor mast
support kit



WHR-L01-W01
Discreet indoor
wall support kit



WHR-L01-W02
Robust outdoor
wall support kit

* Check the full product specifications on iot.wifx.net

The information in this document is subject to change without notice and should not be construed as a commitment by Wifx SA. Wifx SA assumes no responsibility for any errors that may appear in this document.





OUR PRODUCTS AND SOLUTIONS

RESPONSIVE WEB INTERFACE - STABLE AND SECURE - RELIABLE REMOTE UPDATES



FARMING



CITY



ENERGY



INDUSTRIAL

EASY TO INSTALL AND USE

The Wifx L1 is quick to set up from your laptop with just a single USB-C cable that both powers and connects to the base station.

Its user-friendly web interface can be accessed via a computer or mobile device, allowing for easy configuration without technical expertise.

For installation, secure it with simple straps or an optional support accessory and use a single RJ45 cable to power it via Power over Ethernet (PoE).

COMPACT AND ROBUST

With its compact design, the Wifx L1 is easy to handle and can be installed discreetly in tight spaces or on crowded masts.

Its simple yet effective construction ensures exceptional durability.

Rated IP65, the Wifx L1 is built to withstand harsh weather conditions, providing reliable performance for years to come.

AUTONOMOUS AND CONNECTED

Ideal for remote locations with limited power, the Wifx L1's low power consumption allows it to operate efficiently with a solar panel and battery setup.

Its optional 4G backhaul capability ensures reliable connectivity in areas without wired networks.

Combined with its proven software, the Wifx L1 provides stable, continuous operation, making it perfect for applications that require autonomy and reliable connectivity.

LORIX OS

Our full-featured, specialized operating system



Intuitive

- Secure, reliable and transparent remote system updates
- Reactive web interface for smartphone, tablet and desktop
- Free choice and easy configuration of LoRaWAN® forwarders*



Integrable

- Easy and secure integration and automation (REST API and CLI)
- Full access to the system configuration and tools
- Complete toolchain for compiling additional applications



Customizable

- Fully open and customizable build system to generate your own system image
- Ability to integrate your own applications and tools into the image
- Intelligent construction using Yocto Project that allows you to maintain your long-term business without wasting time



WIFX—connect

A new service from Wifx



The best way to remotely reach your fleet of Wifx gateways, easily and securely

- Configurable through the graphical interface in a few clicks
- Your gateways are reachable wherever they are (no public IP, NAT or routing required)
- Access your fleet with centralized credentials
- Secure and encrypted connection



* Also supported by any Semtech standard UDP or LoRa Basics™ Station compatible clouds, check full specifications on iot.wifx.net/go/lorix-os

