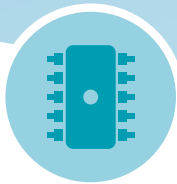# WIFX—L1

COMPACT AND ROBUST PROFESSIONAL GRADE LoRaWAN® BASE STATION

The evolution of the LORIX One
More features, less power consumption

IP65 – Outdoor and indoor use
Quick and easy to deploy

MAIN SYSTEM

CPU – ARM Cortex-A5 600 MHz

RAM – 256 MB NEW

Internal storage – 1 GB NAND NEW

Extension storage – microSD card

Consume less than 1.5 W NEW

Operable from -30 to +70 °C NEW

OS/SOFTWARE

LORIX OS
Wifx gateways Operating System

Intuitive and reactive 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 NEW
compatible with active PoE*

Permits to bring power and data
with only one cable

USB-C NEW connector access
for alternative configuration
and commissioning method

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

LoRa®/RF SYSTEM

SX1302 gateway chip NEW

64 channels for
packet detectors

Unrivalled performance in
an ultra-compact format

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

OVERVIEW

198 (7.80)
45 (1.77)
Dimensions: mm (inch)

LINK/ACT   SPEED
PoE 10-48VDC max. 800mA
RST
microSD
STATUS
SERVICE
CE

ANTENNAS

5 dBi outdoor IP65 antenna, 500 mm (19.68 inches)

3 dBi outdoor IP65 antenna, 240 mm (9.45 inches)

2 dBi tiltable indoor antenna, 210 mm (8.27 inches)
(863-870 MHz version only)

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

WIFX   LoRa Alliance® Member   LORIX One   WIFX—L1

LORIX OS

INTUITIVE AND VERSATILE
WIFX GATEWAYS OPERATING SYSTEM

REACTIVE WEB INTERFACE - STABLE AND SECURE - RELIABLE REMOTE UPDATES

INTUITIVE

LORIX OS provides intuitive ways for you to install, maintain and monitor your gateway simply and efficiently
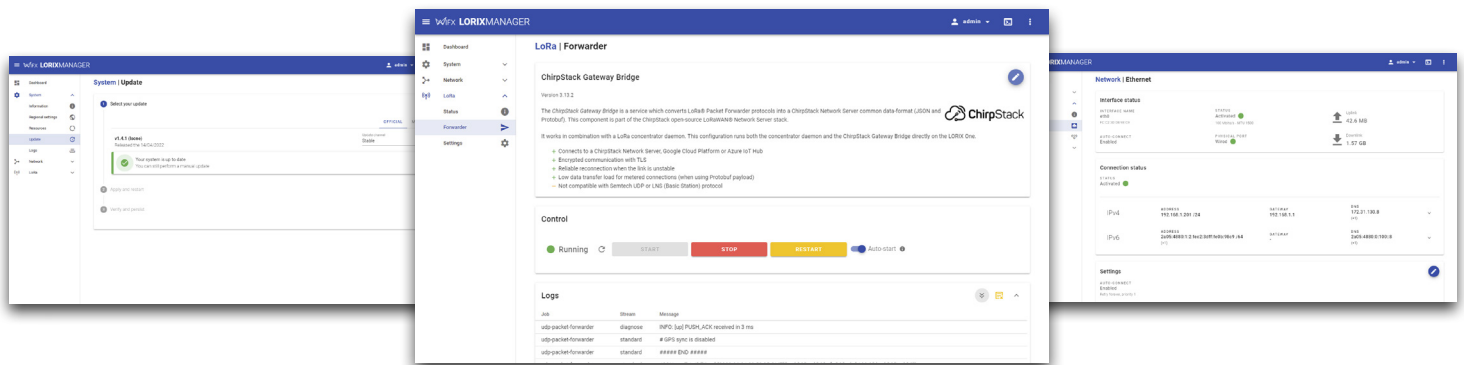
INTEGRABLE

The structure, tools and documentation of LORIX OS are designed and built to help integrators to make the gateway part of their solution in a reliable and lasting way

CUSTOMIZABLE

The open and standardized build system of LORIX OS allows you to adapt the result at all levels to fit your needs

AN EFFICIENT WAY TO CONFIGURE YOUR PRODUCT INCLUDING NETWORK
AND LoRaWAN® FORWARDING ASPECTS

Intuitive

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

THE THINGS NETWORK
ChirpStack
LORIOT

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

OPENAPI INITIATIVE

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
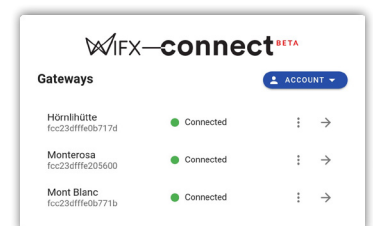
Built with yocto PROJECT

Linux™

WIFX—connect   NEW

A new service from Wifx

The novel 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

WIFX—connect BETA
Gateways   ACCOUNT

Hörnlihütte   ● Connected
fcc23dfffe0b717d

Monterosa   ● Connected
fcc23dfffe205600

Mont Blanc   ● Connected
fcc23dfffe0b771b

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

WIFX   LoRa Alliance® Member   LORIX One   WIFX—L1