Supporters

[Logos of Alter Mundi, Dragino, EyeSeeTea, Respite ProSinge, OpenMesh, ZenzeleNI, and VillageTelco]
LibreRouter Ecosystem

- LibreRouter
- PitBull
- Chef
- LibreMeshApp (LiMe-App)
- (-LibreServer)
- LibreMap
- LibreNet6
- Power Efficiency Module
- WiFi Calling
- TVWS
- LibreDocs
Concepts

- Lower Barrier
  - Easy to Use
  - Cheap
  - Available worldwide
  - Community Supported
- Based on the experience and requirements of Community Networks
- Featureful
- Solidarity vs Egoism
- Collaboration vs Competition
- Free and Open Source Software and Hardware
Libre means Free as in Freedom
LibreRouter

A Router for Community Networks
  • Self Deployable
  • Geek-Free
LibreRouter

- Powerful CPU
- 16 MB Storage
- 128 MB Ram
- 2 x 5Ghz Radio
- 1 x 2.4Ghz Radio
- GPS
- Remote Power Module
- POE Enabled
- Gigabit Ethernet
- USB
- Weather Sealed
- Powerful antenna from factory
Meshing

- Self healing
- Roaming
- Multi village out of the box
- No configuration
Easy to Understand

- One device, work as a router
- Two devices, mesh automatically
- Internet in one device, internet in all
- Internet in more than one, auto balancing
- Connection to other LibreMesh Cloud, automatically routed
- Connected to one node (either cable or wifi), connected to all
LibreRouter

• Our objective
  – Same price that what were using till now
• LibreRouter Manufacturing Cost: ~U$S 80
• LibreRouter FOB Price: ~ U$S 80
PitBull
PitBull

- Captive Portal for Community Networks
- Voucher System to manage scarce resources
- Policy driven – you define how it behaves
TVWS Module
TVWS Module
TVWS Module

- Manufacturing Cost: ~US$ 50
- Retail Price: ~US$ 50
Bienvenida/o a nuestra cocina de firmwares

Para crear el firmware de tu red, sólo necesitas seguir estos pasos:

- Registrarse
- Crear Red
- Crear Perfil de Firmware

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LiMe-App

Node natisofi

Most Active

marisa
Interface wlan1
Traffic 13814MB

Internet connection

IPv4 ✔ IPv6 ✔ DNS

IP Addresses
IPv4 10.5.0.85/21
IPv6 2801:1e8:2::bb2f:8700:64
IPv6 fe80::6666:b3ff:fe87:2fbb:64

libre router
(LibreServer)
LibreMap
LibreNet6

- A Global VPN Support Network
Power Efficiency Module
WiFi Calling
LibreDocs

- How to deploy community networks
  - Technical
  - Social
  - Sustainability
- MultiLingual
- Video, Text
- Out of the box in every LibreRouter
LibreRouter is Yours
Make it your own!
Community Networks have been depending since their inception on modifying existing off-the-shelf routers to adapt them to their particular needs. Software development originated in Community Network groups and the Free Software movement as a whole, has pushed the barrier of innovation and helped commercial enterprises develop new products over the years.

This virtuous relation between hardware vendors and the community has been threatened by new regulation from the Federal Communications Commission (FCC) – U.S.A. – which has led vendors to globally close up their routers to third party modifications, hindering open innovation and effectively closing the door to Community Networks in terms of access to the hardware they depend on.

The Libre Router project will design and produce a high performance multi-radio wireless router targeted at Community Networks needs. Global South reality and that of Latin America in particular will be specially considered in terms of cost and legal viability.