Pre-configured Freifunk nodes

Here is a list of of all the Freifunk nodes you can buy from us at cost price.

What am i paying for?

As already told, you are getting the Freifunk node at cost price. So you are only paying for the router and not for the software or setup.

1. Software is free as in "Free Beer", you can even download it from our website
2. The setup is done by us or we can teach you how to do it yourself, if the provided tutorial is not enough for you
3. The router is not free we need to buy it, so you pay for the hardware

Are the prices here accurate?

Yes and No
Yes, because we are checking them regularly to keep them up-to-date.
No, if we can get a router on summer or winter sale it will become cheaper.
The prices below, are the prices without any price reduction. If you buy for example, an archer c7 on summer sale, it will only cost you 72€ and not the 90€ announced here. In any situation, you will pay for the router the same amount as we did, after all you get it at cost price.

What router should i buy?

It all depends on your situation:

- Do you need 2.4GHz and 5GHz?
- Do you want to install a Freifunk node indoor or outdoor or both?
- How many clients your network needs to handle?
- How many MB/s you want to have on your network?

For normal Home using a TP-Link WR940N is mostly enough. If you want also 5GHz, take the Archer C5.
If you want to setup a Freifunk network in a bigger bar, you can take the Archer C7 or the Fritzbox 4040.
If you want to provide Freifunk in your company or for an event, than you will need perhaps an offloader.
In any case, if you are not sure which router to get, feel free to contact us under freifunk@c3l.lu.

Indoor nodes

Freifunk nodes for the indoor use.

Manufacturer	Model	Networks	Estimated Price	Purpose
GL.Inet	AR150	2.4GHz	~30€	for smaller bars or Home
GL.Inet	AR750	2.4/5GHz	~50€	for medium Bars or Home
TP-Link	Archer C50	2.4/5GHz	~30€	for medium Bars or Home
TP-Link	Archer C5	2.4/5GHz	~55€	for medium Bars or Home
AVM	Fritzbox 4020	2.4GHz	~60€	for medium Bars or Home
TP-Link	Archer C7	2.4/5GHz	~90€	for bigger Bars or Home
AVM	Fritzbox 4040	2.4/5GHz	~90€	for bigger Bars or Home
Raspberry PI	2	depends on the wifi dongle	+80€	schooling and experimenting



Our recommendations for bigger and medium bars are the Fritzbox routers. They are as expensive as the TP-Links, but they have more resources.

Outdoor nodes



Pleae keep in mind: The 5GHz channel is for indoor use only. If you want to provide a Freifunk node with 5GHz for outdoor purpose, please get in touch with us under freifunk@c3l.lu.

Freifunk nodes for the outoor use.

Manufacturer	Model	Networks	Estimated Price	Purpose
TP-Link	CPE210	2.4GHz	~38€	60° directional radio AP, long distance meshing
TP-Link	WBS210	2.4GHz	~60€	60° directional radio AP, long distance meshing
Ubiquiti	NanoStation M2 LOCOM2	2.4GHz	~50€	outdoor router

Offloader

Freifunk offloader to increase the bandwidth of your Freifunk network uplink. They are only needed in special situations, here some example of offloader devices.

Manufacturer	Model	Resources	Estimated Price	Purpose
Ubiquiti	EdgeRouter X	4xGBLAN, POE, 256 MB DDR3 RAM, Dual core 880MHz	~54€	Home, small office or small event offloader
PC Engines	APU2D4	3xGBLAN, 4GB DDR3 RAM, Quad core 1GHz CPU, 16GB msata	~205€	Home, medium office or medium event offloader
PC Engines	APU3C4	3xGBLAN, 4GB DDR3 RAM, Quad core 1GHz CPU, 16GB msata	~205€	Home, medium office or medium event offloader

Manufacturer	Model	Resources	Estimated Price	Purpose
PC Engines	APU4C4	4xGBLAN, 4GB DDR3 RAM, Quad core 1GHz CPU, 16GB msata	~250€	Home, medium office or medium event offloader

You cannot find your router model in the lists?

If you cannot find your preferred router model in the lists above, than get in touch with us under freifunk@c3l.lu.

Routers in stock

In the following Link you will find all the router models, which are currently in stock. You can simply contact us and receive it immediately.

see also

- 5GHz Info

From:
https://wiki.c3l.lu/ - **Chaos Computer Club Lëtzebuerg**

Permanent link:
https://wiki.c3l.lu/doku.php?id=projects:freifunk:preconfiguredrednodes

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