

Vox Wi-Fi

FTTH Wi-Fi Booster Infographic





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FTTH Wi-Fi Booster Infographic

Home Wi-Fi has become a necessity that demands extreme stability and reliability. For some Fibre to the home (FTTH) customers, the standard supplied router or internet gateway will just not suffice for their current and ever-increasing Wi-Fi requirements.

Things to consider when looking to extend or boost your home Wi-Fi:

Coverage

Extend the reach of your broadband connection in your home

You want to eliminate dead spots by determining the size of the area where you need Wi-Fi coverage.

This could be a small apartment, a house, or a large outdoor space. Consider any potential obstacles such as walls, floors, staircases, or other physical barriers.

Your broadband router (either on Fibre or LTE) provides limited Wi-Fi coverage in the home and at best may cover up to 100 square metres. Weak signals from routers or boosters can affect your home networking experience.



The good news is that there are great solutions available from Vox Wi-Fi that will resolve these issues such as Wi-Fi boosters that integrate both wireless and wired connections for home Wi-Fi demands.

Speed and Performance

Maximise the experience and speed of your home broadband connection

With broadband connections reaching 1Gbps it is imperative that you have the correct Wi-Fi access points that can accommodate these broadband speeds.

Consider the maximum data transfer speed (measured in Mbps or Gbps) that the access point can accommodate.

If you have high-speed internet i.e., more than 100 Mbps, choose an access point that can support those faster speeds. Additionally, look for features like dual-band or tri-band support, which can help reduce congestion and improve overall performance.

Check the wireless standards supported by the access point. The current standard is 802.11ac (Wi-Fi 5) and the latest standard is 802.11ax (Wi-Fi 6). Wi-Fi 6 provides faster speeds, better performance in high density environments, and improved energy efficiency. Ensure that your devices are compatible with your chosen standard.

Concurrent connections

Having multiple devices connect to your Wi-Fi simultaneously without affecting performance

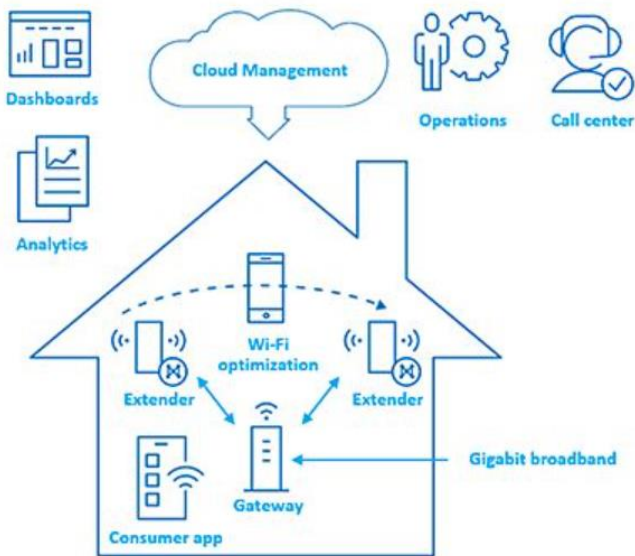
Determine how many devices will be connected to the access point simultaneously.

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Access points have a limit on the number of simultaneous connections they can manage effectively. The more devices connected, the more interference, and with that, more performance issues. Having the correct access points or extenders will eliminate this and ensure your network can support multiple concurrent connected devices seamlessly for a great user experience.

If you have a high number of devices, consider access points with features like multiple antennas and MU-MIMO (Multi-User, Multiple Input, Multiple Output) support.



Security

Security is crucial for Wi-Fi networks.

The latest security protocols, such as WPA3, offer enhanced protection compared to previous standards like WPA2.

Look for features like guest network support, MAC address filtering, and encryption options to strengthen your network security.

Management and Configuration

Consider the ease of management and configuration.

Some access points come with dedicated management software or mobile apps that make it easier to set up, monitor, and control the network. Assess the user interface and administrative features to ensure they meet your requirements.

Scalability

If you anticipate expanding your network in the future, choose an access point that allows for scalability and can be easily integrated into a larger network infrastructure.

Budget

Determine your budget for the access point.

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Prices can vary based on features, brand reputation, and performance. Compare different options and choose one that offers a balance between affordability and the features you require.

Vox Wi-Fi offers rental options which reduce upfront capex costs and make it easier to scale up and upgrade equipment as newer technology becomes available.

Offload

Connect your mobile phone to your Wi-Fi network

Save on mobile data costs by connecting your mobile phone to your Wi-Fi.

Switch your mobile phone to Wi-Fi calling which enables operators to offload their mobile calls on to your Wi-Fi ensuring good call quality even during load shedding.

Handover

Moving around in your home requires your mobile devices to have seamless handover between Wi-Fi access points. Wi-Fi networks in the home that don't support seamless handover wait for devices to disconnect from one access point and then reconnect to another, this could happen during a Wi-Fi voice call causing a drop in connection.

With the correctly installed equipment you could be watching a video stream on a mobile device in your home while moving around, handover would allow for an uninterrupted video streaming experience.

Reasons to choose a Vox home Wi-Fi solution

More choice

We offer a home Wi-Fi solution to suit every need and budget.
Once-off or rental options available
You choose how you want to pay for your Vox Wi-Fi Home equipment.

Free Onsite Wi-Fi assessment

Our trained and experienced engineers will come to you to assess your requirements and recommend the best solution.

RF planning

For more complex homes, we offer a Wi-Fi Radio Frequency (RF) planning service to provide the best solution for your requirements.

Peace of mind

Our top-tier option includes a managed service to allow you to focus on work and family while we take care of your Wi-Fi network.

Reliable hardware

Your choice of hardware will be determined by your Wi-Fi requirements and minimise dead zones within your home.

24/7 technical support

Our friendly support team are only a phone call or an email away.



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How to determine how many Wi-Fi access points are required?

	Up to 150m ²		Up to 250m ²		Up to 350m ²		+450m ²	
	Single	Multi	Single	Multi	Single	Multi	Single	Multi
Connected Devices	40	40	60	80	80	100	100+	100+
Installation	Self-Install	Self-Install/Vox install	Self-Install	Self-Install/Vox install	Self-Install	Self-Install/Vox Install	Vox Install	Vox Install
Cabling		Possible LAN cabling required		Possible LAN cabling required		Possible LAN cabling required	LAN Cabling required	LAN Cabling required
Requirement	2 Access Points	2 Access Points	3 Access Points	4 Access Points	4 Access Points	5 Access Points	On Site Assessment	On Site Assessment
Line Speed 10-100Mbps	TP-Link Deco E4	TP-Link Deco E4	TP-Link Deco E4	TP-Link Deco E4	TP-Link Deco E4	TP-Link Deco E4	Equipment to be specified	Equipment to be specified
Line Speed 100-1Gbps	TP-Link Deco M4	TP-Link Deco M4	TP-Link Deco M4	TP-Link Deco M4	TP-Link Deco M4	TP-Link Deco M4	Equipment to be specified	Equipment to be specified

- *Wi-Fi range is estimated and dependant on overcoming obstacles such as building layout, construction materials and any radio frequency interference*
- *Monthly rental options exclude setup and installation.*
- *Monthly rentals are for 24 months*
- *Rental equipment remains the property of Vox*
- *Terms and conditions apply*

Mesh Wi-Fi Access Point Pricing options (July Sale)

PRODUCT CODE	ITEM DESCRIPTION	PRICE EXCL. VAT	PRICE INCL. VAT
VA-TP-DECOE4-2P-C	TP-Link Deco E4 AC1200 Whole-Home Mesh Wi-Fi System (2 Pack) - Outright purchase	R1 712,17	R1 969,00
VA-TP-DECOE4-2P-24	TP-Link Deco E4 AC1200 Whole-Home Mesh Wi-Fi System (2 Pack)-24 month rental	R82,61	R95,00
VA-TP-DECOM4-2P-C	TP-Link Deco M4 AC1200 Whole-Home Mesh Wi-Fi System (2 Pack) - Outright purchase	R2 286,08	R2 629,00
VA-TP-DECOM4-2P-24	TP-Link Deco M4 AC1200 Whole-Home Mesh Wi-Fi System (2 Pack)-24 month rental	R112,17	R129,00

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