The complete guide to Mesh WiFi: pros, cons, definitions, mechanisms

Wireless mesh networks were principally used by military forces, hospitals and maybe by large-scale commercial applications. But, never for home use. So why is there a sudden uproar over **mesh Wi-Fi** systems? For that, you need to understand a few of the terms, advantages, and disadvantages to know why it is a popular household and corporate term nowadays.

Understanding the wireless mesh

These are based on radio transmitter nodes that are connected to all parts f the home or your corporate office. The primary device acts as the modem and the router that bring the signal to the home and generate Wi-Fi signals around the entire house respectively. And then the satellites talk back and forth with each other and act as individual routers. Hereafter, each node tries to find the best channel available and similarly wirelessly connect to other nodes creating a seamless wifi network all-around your home. The strength of this kind of wireless mesh is quite great and reliable reaching every nook and corner of the house.

Knowing the Pros & Cons of mesh Wi-Fi

Pros

- Ideal for old mansions, or homes made with signal blockage materials, or large homes in odd shapes
- The approach is modular and the network mesh that it forms is great for an ideal blanket covering
- Best in seamless roaming
- Some of the nodes are of Ethernet ports so they can be easily connected with smart TVs, video game consoles and even media streamers
- This is application-based so can be easily set up for management and control
- The designs do not stick out like a sore thumb but can easily blend with the home decor
- There is only one source for regular software updates
- When family members or visitors roam in the home, congestion felt is quite less as compared to the other wifi networks available

Cons

- The cost in the initial stages is sky-high
- Not at all suitable for homes that are built on less than 2000 sq. Feet as this kind of wireless mesh will overpower the spaces
- It requires multiple nodes which is much more than that of a standard starter system
- These wireless mesh use proprietary technology that makes the users tied and sealed to a single brand

People's popular choice
People love the operation of this wireless mesh. This is a great value product immensely popular among working men and women. As it gives users to manage and control all valuable devices like smart TVs, game consoles etc, with a single touch of the app. Folks love controlling the speed of the internet depending on the usage, blocking your connection for certain sites, as well as testing the connectivity between nodes

Future of Wireless Mesh
The future of wireless mesh is bright. So, therefore, the [Wi-Fi alliance has started a new certification program](#) for various wireless mesh networks to increase compatibility across the various brands manufacturing wireless mesh network systems. There is another news where EasyMesh, another certification program is a breath of fresh air for users and service providers

to select interoperable devices across brands so that if one manufacturer's device goes out of service then a user or a service provider could make use of the available device to ensure a steady flow of wifi at all times.