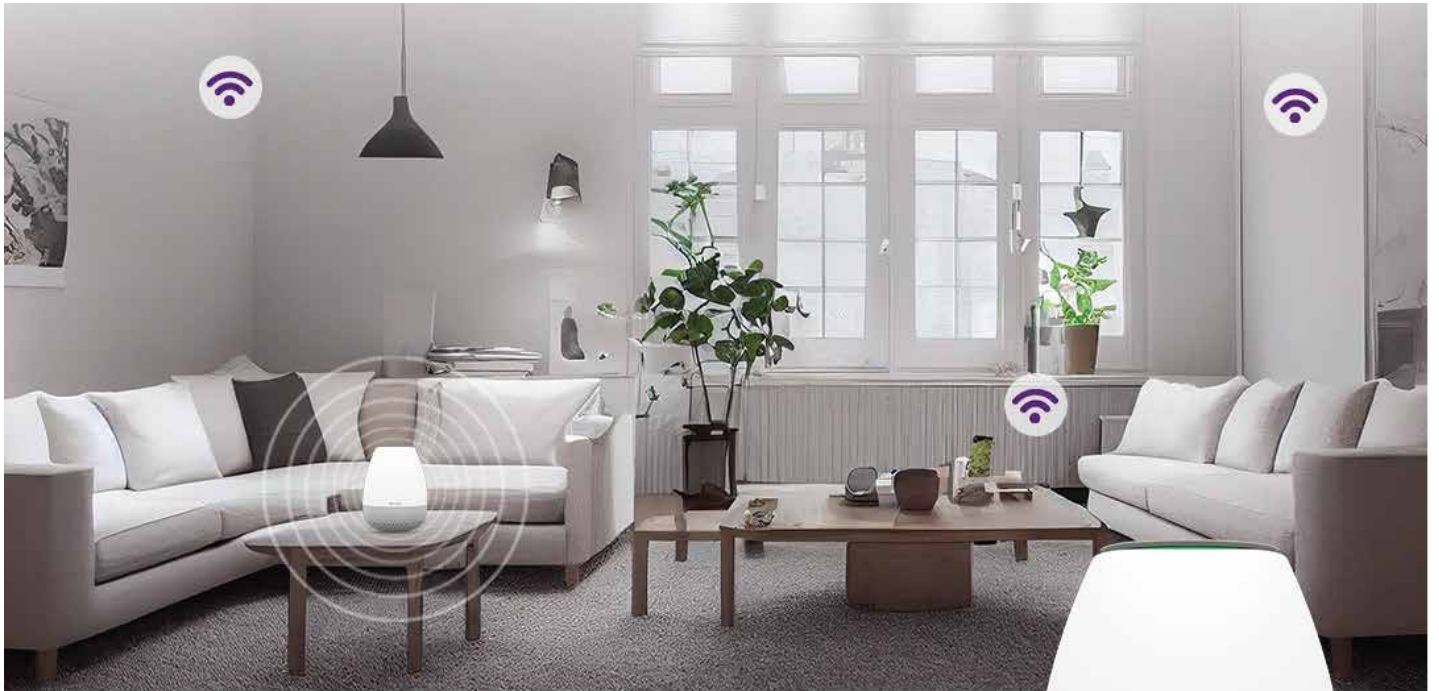


# Home Mesh Router

for an Always-On Internet Generation





## Executive Summary

In our interconnected world, reliable home internet is essential for staying informed, entertained, and productive. With an expected 21.3% growth in global internet users between 2022 to 2028, fast and dependable internet has transitioned from luxury to a necessity.

The surge in online gaming has further driven internet usage. Games like PUBG: Battlegrounds hosted over 376 thousand players simultaneously in June 2023. Sony's PlayStation Plus secured 47.4 million subscribers by March 2023. Netflix gained 1.75 million subscribers in a single quarter, totaling around 232.5 million in first quarter 2023.

As our lives become increasingly intertwined with technology and digital platforms, the smart home market continues to boom. The number of households using smart home products and services surpassed 400 million by 2022. Current trends indicate a rising reliance on home internet, emphasizing its importance in our daily lives. As we forge ahead, traditional routers struggle to meet our growing demands.

Recognizing this gap, io by HFCL, introduced the intelligent Home Mesh Router, io Weave, that will keep up with the insatiable appetite for internet connectivity at home.

## io Weave Technical Innovation

io Weave stands as a testament to technological innovation, offering a spectrum of features that catapult users into the future of connectivity. Its visionary design and pioneering functionalities position it as the embodiment of futuristic technology in the domain of home mesh networks, shaping an interconnected world without limits.

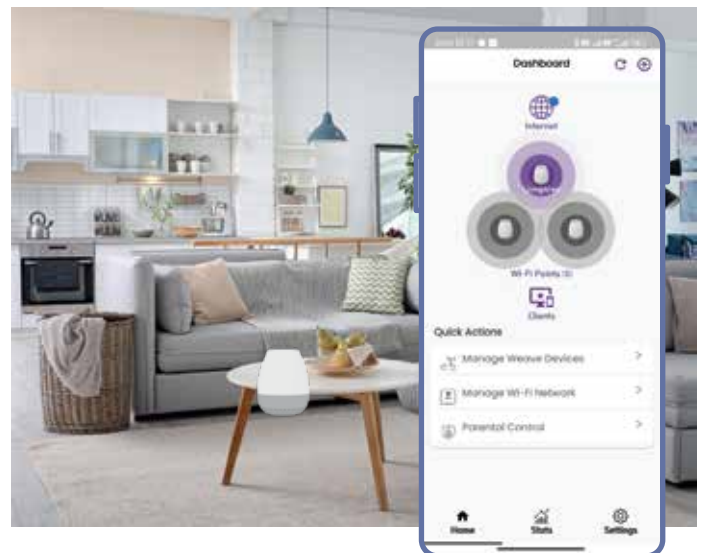
## AI-Powered Parental Control

io Weave offers an integrated advanced parental control system, enabled by AI-powered content filtering algorithms. This pioneering feature lets parents actively monitor and manage their children's online activities. By setting time limits, and exercising control over site accessibilities through the block /unblock feature, parents can curate a safe and secure digital environment.



## Ability to Assign Higher QoS

Packed with advanced technology, io Weave offers a robust Quality of Service (QoS) feature that allows users to assign higher priority to specific applications, using Wi-Fi Multimedia (WMM). WMM classifies and prioritizes diverse network traffic, assuring that time-sensitive tasks receive preferential treatment in terms of bandwidth allocation and network resources. Moreover, configuring this is effortless through the user-friendly app's QoS settings.



## Intuitive io Weave App for Easy Set-up & Management

io Weave app eliminates the chaotic juggling of multiple settings for countless devices. The highly intuitive io Weave Mobile App, provides easy access to comprehensive network management tools, providing flexibility to customize and optimize the home Wi-Fi network from anywhere. Users can track data usage patterns across connected devices for understanding consumption behaviour. This app also supports network segmentation, letting users create dedicated and controlled guest networks.



## Consistent Coverage and Seamless Roaming through EasyMesh

As an EasyMesh-certified device, io Weave ensures consistent coverage across the entire home, eliminating Wi-Fi dead zones. By intricately weaving a network of uninterrupted access, io Weave establishes a seamless mesh with other nodes, allowing users to move freely while staying connected. The device's sleek design complements any home decor, and its 5dBi integrated omnidirectional antenna ensures comprehensive connectivity.

## Seamless Streaming with Data Rates Upto 3 Gbps

io Weave's lightning-fast data rate of up to 3 Gbps transforms the high-bandwidth content experience. It enables seamless 4K streaming, lag-free gaming, and data-intensive activities without any disruption.

## Home Automation at Ease with the Support upto 256 Concurrent Devices

With its remarkable ability to support upto 256 concurrent devices, io Weave breaks through the barriers of connectivity catering to the needs of even the most device-dense environments. io Weave seamlessly integrates with a wide range of smart home devices enhancing the smart home experience.

## User Experience at its Best

- Empowers parents with AI-powered content filtering for a secure digital environment.
- Offers an intuitive app for effortless setup, detailed analytics, and comprehensive network management.
- Eliminates dead zones, delivering seamless coverage and uninterrupted roaming.
- Accommodates upto 256 concurrent devices, ideal for device-heavy environments.
- Enhances the smart home experience by integrating with various devices.

## io Weave Revolutionizing Business

io Weave offers an array of advantages for diverse industries: cafes, restaurants, retail chains, hotels, and small offices. By combining the strengths of home mesh routers with targeted features tailored to businesses, it provides a reliable and efficient connectivity solution, transforming business operations. With its ability to enhance customer experiences, drive revenue through Wi-Fi monetization, elevate employee productivity, and simplify network management, it emerges as a game-changer in the business connectivity landscape.

### Hotels, PGs, and Small Offices

Provide high quality, **personalized digital network experience** to residents

Ensure connectivity in each corner of the dormitory, **no dead zones**

Enforce policies and **protect children from online miscreants** with AI enabled auto content filters

Monitor data consumption, **create customized reports** for guardians

**Segregate** resident, smart devices, security and staff **networks**

**Monetize Wi-Fi** and simplify networks with an authorized MSP



### Cafes, Restaurants, and Retail Chains

**Separate out** Guest, Employee, Security and Smart Music **networks**

**Wow your customers** with free seamless connectivity and world class "digital" ambiance

**Monetize Wi-Fi** to amplify your business by knowing visitor counts, frequency, dwell times and run targeted campaigns

**Improve employee productivity** by creating network policies, monitoring attendance

**Simplify your tech.** using an authorized MSP to remotely configure and manage your network





## Scale of Market Impact

With 317.6 million households gaining internet access globally, io Weave's market potential is substantial. The projected 21.3% increase in global internet users and the desire for high-speed Wi-Fi connectivity at home, emphasizes the demand for dependable solutions, thereby, paving the way for io Weave.

Its advanced technology not only caters to current needs but also offers effortless scalability for future demands.

## Conclusion

In conclusion, the burgeoning need for reliable home internet connection is indisputable. With increasing global internet users driven by gaming, streaming, and smart homes, our reliance on technology has grown exponentially. Recognizing this, io Weave Home Mesh Router emerges as a beacon of intelligent and futuristic technology. It caters to our insatiable hunger for connectivity, adapting effortlessly to the data demands of the digital age. From AI-powered parental controls to uninterrupted streaming and supporting 256 concurrent devices, io Weave delivers every function that surpasses expectations for an optimal home network. Its technical prowess, business innovation, and market impact solidify io Weave's position as a true leader in the realm of home Wi-Fi.

# About HFCL

HFCL is a leading technology company specializing in creating digital networks for telcos, enterprises and governments. Over the years, HFCL has emerged as a trusted partner offering sustainable high-tech solutions with a commitment to providing the latest technology products to its customers. Our strong R&D expertise coupled with our global system integration services and decades of experience in fiber optics enables us to deliver innovative digital network solutions required for the most advanced networks.

The Company's in-house R&D Centers located at Gurgaon & Bengaluru along with invested R&D Houses and other R&D collaborators at different locations in India and abroad, innovate a futuristic range of technology products and solutions. HFCL has developed capabilities to provide premium quality Optical Fiber and Optical Fiber Cables, state-of-the-art telecom products including 5G Radio Access Network (RAN) products, 5G Transport Products, WiFi Systems (WiFi 6, WiFi 7), Unlicensed Band Radios, Switches, Routers and Software Defined Radios.

The Company has state-of-the-art Optical Fiber and Optical Fiber Cable manufacturing plants at Hyderabad, Optical Fiber Cable manufacturing plant in Goa and in its subsidiary HTL Limited at Chennai.

We are a partner of choice for our customers across India, Europe, Asia Pacific, the Middle East, Africa and the USA. Our commitment to quality and environmental sustainability inspires us to innovate solutions for ever-evolving customer needs.



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