

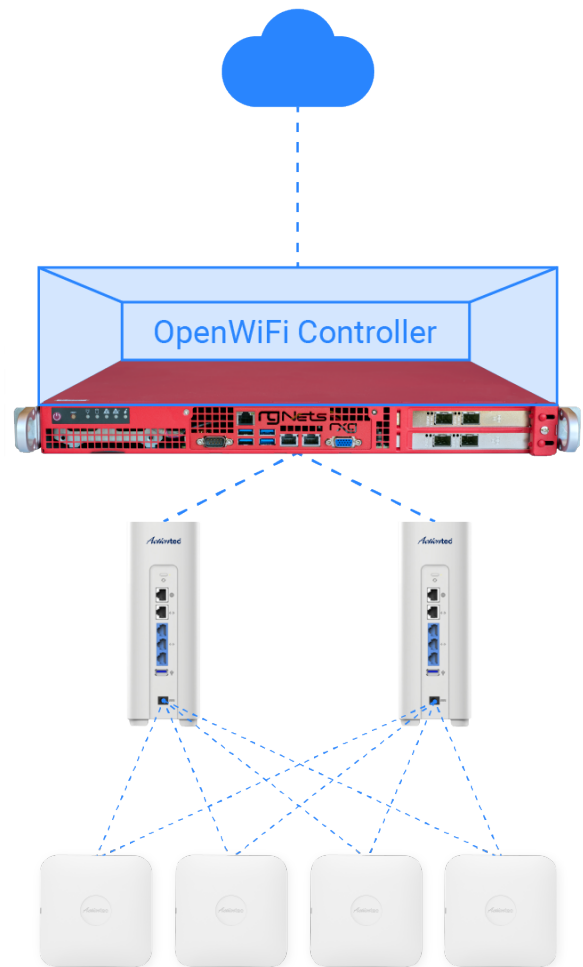


OpenWiFi

Integrated with RG Nets

ADDRESSING THE PAIN POINTS OF NETWORK OPERATORS

Network operators often face numerous challenges when managing modern Wi-Fi networks. Chief among these is the complexity of deploying, scaling, and maintaining robust connectivity solutions that meet user expectations. Proprietary systems frequently lock operators into costly vendor ecosystems, limiting flexibility and innovation. In addition, the ever-increasing demand for secure, high-performance connectivity exacerbates issues such as network congestion, inefficient resource allocation, and difficulty integrating emerging technologies. Operators must also contend with limited visibility into network behavior, complex troubleshooting processes, and a lack of interoperability between devices and systems. These challenges can lead to high operational costs, user dissatisfaction, and delays in deploying new services.



OpenWiFi Hardware Providers

- Edge-Core
- HFCL
- CIG (Actiontec)
- CyberTAN
- Arcadyan
- Wallys Communications (SuZhou)
- Lindsay Broadband
- Inventum

THE BENEFITS OF OPENWIFI

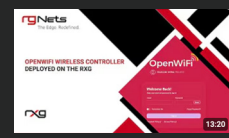
OpenWiFi, an initiative by the Telecom Infra Project (TIP), provides a transformative solution for these challenges. By offering a disaggregated, open-source Wi-Fi software system, OpenWiFi enables operators to break free from vendor lock-in and achieve greater control over their networks. Its enterprise-grade firmware and cloud controller SDK deliver flexibility and interoperability, allowing seamless integration of multi-vendor devices. OpenWiFi's standardized APIs and data models simplify the deployment of new services and applications, significantly reducing time-to-market. Moreover, its cost-efficient architecture drives down the total cost of ownership, making it an attractive option for organizations seeking scalable, reliable connectivity. Community-driven development ensures that OpenWiFi evolves rapidly to address emerging needs, keeping operators ahead of the curve in technology adoption.

RXG: REVOLUTIONIZING OPENWIFI DEPLOYMENT AND MANAGEMENT

The revenue eXtraction gateway (rXg) by RG Nets is uniquely positioned to enhance the OpenWiFi ecosystem. As a multi-services edge gateway, the rXg integrates an OpenWiFi wireless controller directly into its robust architecture. This integration streamlines the deployment and management of OpenWiFi networks, enabling operators to control access points, monitor performance, and implement configurations through a single, intuitive interface. With built-in virtualization capabilities, the rXg simplifies the process of deploying virtual machines for OpenWiFi controllers, reducing setup time and complexity. Its automated configuration tools and customizable templates ensure rapid, error-free network rollouts, while advanced telemetry features provide real-time insights into network behavior. By consolidating OpenWiFi management within the rXg, operators gain unparalleled efficiency and control, empowering them to deliver superior user experiences.

A COMPREHENSIVE SOLUTION: THE RXG ADVANTAGE

Beyond its OpenWiFi integration, the rXg offers a suite of advanced features that solidify its position as the premium solution for network operators. Its patented Fair Share Equalization technology ensures optimal performance by dynamically allocating resources based on real-time demand. Customizable captive portals enhance user engagement and branding opportunities, while robust security features, including role-based access control and encrypted communications, protect network integrity. The rXg's Software-Defined Wide Area Networking (SD-WAN) capabilities enable seamless integration across distributed networks, improving scalability and reliability. Additionally, location-based services and advanced analytics tools provide operators with actionable insights to optimize network performance and user satisfaction.



CLICK [HERE](#)
To watch a quick tutorial on OpenWiFi automation with the rXg.



CONCLUSION

The rXg, combined with OpenWiFi, offers an unmatched solution for network operators seeking flexibility, scalability, and cost efficiency. By addressing the critical pain points of modern network management, the rXg empowers operators to harness the full potential of OpenWiFi while delivering unparalleled performance and reliability. With its comprehensive feature set and innovative architecture, the rXg stands as the ultimate choice for any network looking to stay ahead in today's competitive landscape.



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