

Elevate Your Wi-Fi Experience through Cloud Intelligence

Edgecore Solution

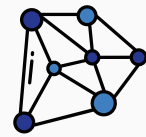


Wireless Network Solutions

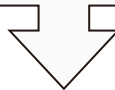


ecCLOUD Cloud Controller

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Spectrum Orchestration Engine



Edgecore integrated Ambeent's spectrum orchestration engine to help service providers and enterprises optimize the performance of their Wi-Fi networks and maximize their reliability.

Feature Highlights



Cloud-Managed
Wireless AP

Enterprise-grade
Wireless Security

Intelligent
Performance Optimization

Comprehensive
Authentication Mechanisms



Intelligent
Cloud Control

Centralized Wired & Wireless
Device Management

Simple & Flexible
Device Configuration

Powerful Add-on
Selections



Ambeent Spectrum
Optimization Algorithms

Dynamic Channel
Optimization

Wi-Fi Performance
Escalation

AI/ML Spectrum
Access Control

Recommended Scenarios



ISPs
Claim Your Network
Infrastructure Everywhere

Satisfy customers, reduce costs
and increase revenue streams



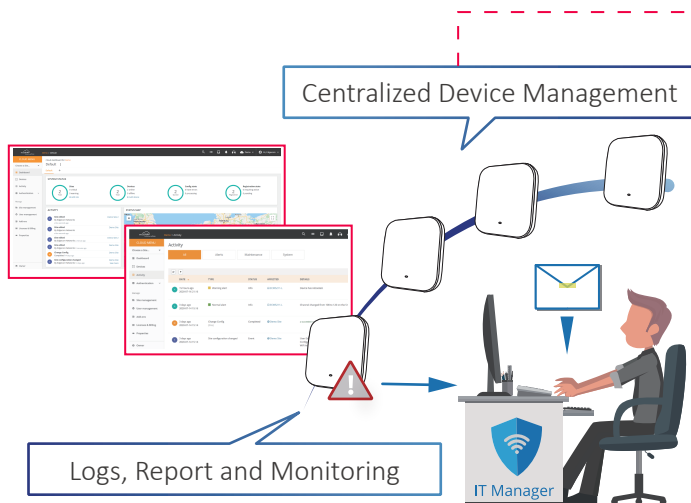
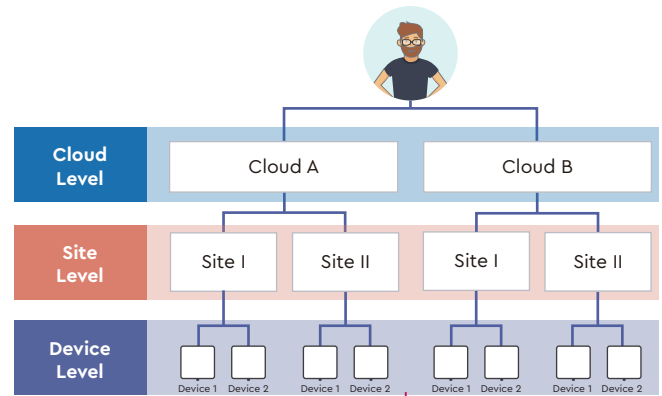
Enterprise
Preparing Your Organization
for Future Networks

Achieve reliable Wi-Fi service that
rivals those of cellular technologies

Functionality

● Multi-site and Multi-level Management

The hierarchy of ecCLOUD provides the basis for multi-level management, simplifying the task of device deployment, management and monitoring of hosting a network at a single site or multiple sites across different geographical locations. Furthermore, ecCLOUD enables service providers to create multiple administrator accounts with differentiated privileges, increasing management security.



● Service Plan by Time and Volume

Multiple service plans can be enabled on ecCLOUD to create tiered Wi-Fi service with different usage quotas, time, and number of device per account. In this way, you can limit network usage of each account to avoid abuse of network resources.

● SSID-based Custom Captive Portal

Administrators can quickly enable unique Wi-Fi login pages per SSID. Each login page is fully customizable to show unique branding or advertisements.

Access the Ambeent platform through ecCLOUD



● Digital Experience Monitoring

Ambeent DEM delivers monitoring proactively and in real-time at each level of the digital value chain (network, infrastructure, device and application). It differentiates itself from other DEM platforms by focusing on fault or incident management and resolution, resource management, and network parameter tuning and modification to optimize the QoE of service delivery.

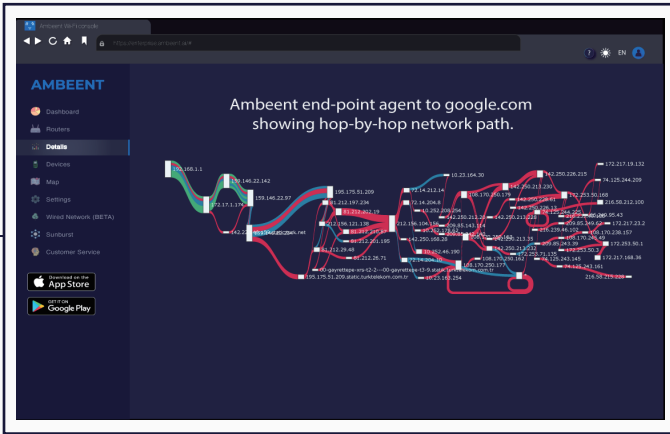


● Cloud-Native Wi-Fi monitoring, Diagnostics and Optimization engine

Data is collected from end-user devices and sent to a cloud-based central repository to feed into machine learning algorithms. Channel optimization is carried out in a collaborative way, after considering various parameters, including the real-time requirements of all Wi-Fi access points in a given cluster, thereby, optimizing the channel allocation in that cluster. The result is smart and dynamic channel allocation to respond instantly to interference from nearby wireless networks and devices, thereby substantially improving Wi-Fi performance and QoE.

● Synthetic Performance Diagnostics and Forecasting for Network Monitoring and Optimization

Ambeent synthetic testing delivers end-to-end network monitoring and diagnostics to help baseline performance during different times or work hours across different locations, and to resolve issues before end-users are affected. Odd behavior and security and performance issues are thoroughly monitored in continuous synthetic tests. On-demand testing allows network teams to manage or tune network infrastructure for better WLAN/WAN performance so as to avoid congestion and support connectivity prior to specific events.



Among the benefits of synthetic tests include:

- End-to-end visibility across device, infrastructure, network and app domains and identification of domains in which issues occur
- Automated testing to baseline performance at different times or work hours and locations
- Odd-behavior analysis across device, infrastructure and network domains
- Prediction of network and infrastructure issues to resolve before they impact QoE

Solution Benefits



Enhance customer experience and satisfaction

80% -100% improvement in baseline Wi-Fi performance



Reduce operational costs

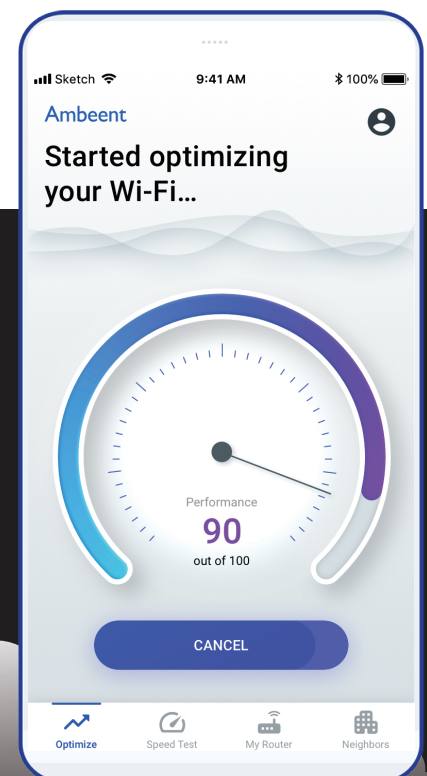
25% drop in service calls with spectrum management and automatic access point configuration



Smarter Wi-Fi

50% reduction in ticket resolution time

Combining Edgecore's wireless network solutions and ecCLOUD cloud controller with Ambeent's AI/ML capabilities for spectrum access control helps service providers and enterprises improve the performance of Wi-Fi networks. Service providers and enterprises can pin-point problems in network performance to accelerate resolution time. More importantly, predictive AI/ML analytics enable network managers to take proactive measures to avoid service degradation or outage. The crown jewel of the solutions – Wi-Fi spectrum access optimization – raises the performance of Wi-Fi networks to near those of cellular networks.



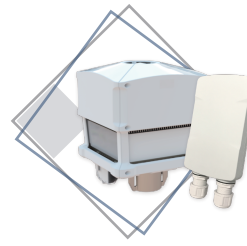
Edgecore Products



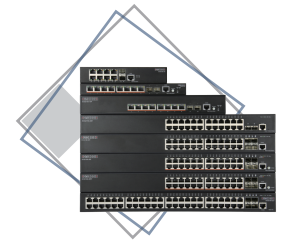
Cloud Controller



Wireless Access Point



Terragraph Certified Product



Enterprise Switch



AMBEENT

About Ambeent

Ambeent is an innovator in network intelligence and the management of Wi-Fi and 5G technologies, with a mission to enhance digital experiences and help organizations of all sizes meet their connectivity objectives. Ambeent substantially improves end-to-end service performance with its patented radio frequency interference management technology powered by AI/ML as well as by delivering deep visibility and highly contextualized management of networks and digital experiences in hybrid environments. Ambeent's SaaS/PaaS business and deployment models are available to customers across a variety of industries to enhance Wi-Fi as well as CBRS and 5G networks. For more information, visit www.ambeent.ai.

About Edgecore Wi-Fi

Edgecore Wi-Fi offers organizations affordable, comprehensive and effective WLAN solutions to meet evolving capacity and performance demands while reducing total cost of ownership. By integrating user policy enforcement, wireless optimization features, social media insights, and hotspot billing, empowering businesses with new opportunities for value-added services and Wi-Fi monetization. Our mission is to strive for excellence in our products while building strong, lifelong relationships with our customers and partners.



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