

# Quality of Experience (QoE)

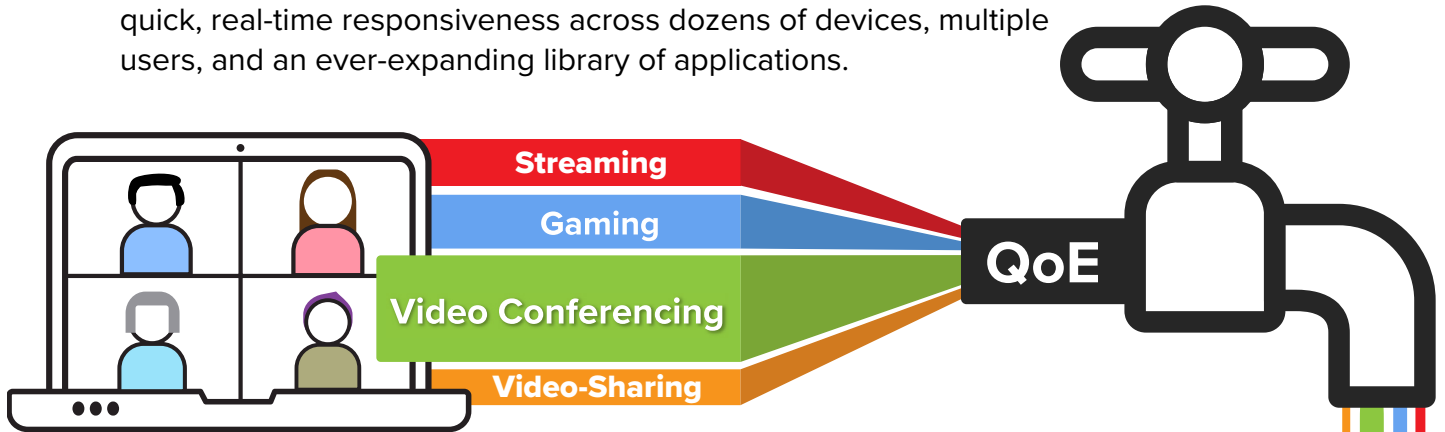


Reduce support costs and customer churn. Deliver a higher value to your broadband customers.



## Be the service provider of choice

by providing customer experiences that subscribers will tell their friends about. Create and manage a trouble-free network that exceeds expectations. Deliver consistent, reliable application performance and quick, real-time responsiveness across dozens of devices, multiple users, and an ever-expanding library of applications.



### Cambium's QoE solution helps service providers:

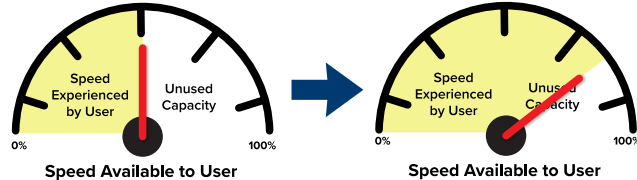
- Reduce the volume of customer support calls and customer churn
- Develop deep insights into network performance and implement granular application control to optimize end-user experiences
- Deliver a more profitable return on network infrastructure
- Create and enforce multiple tiers of service



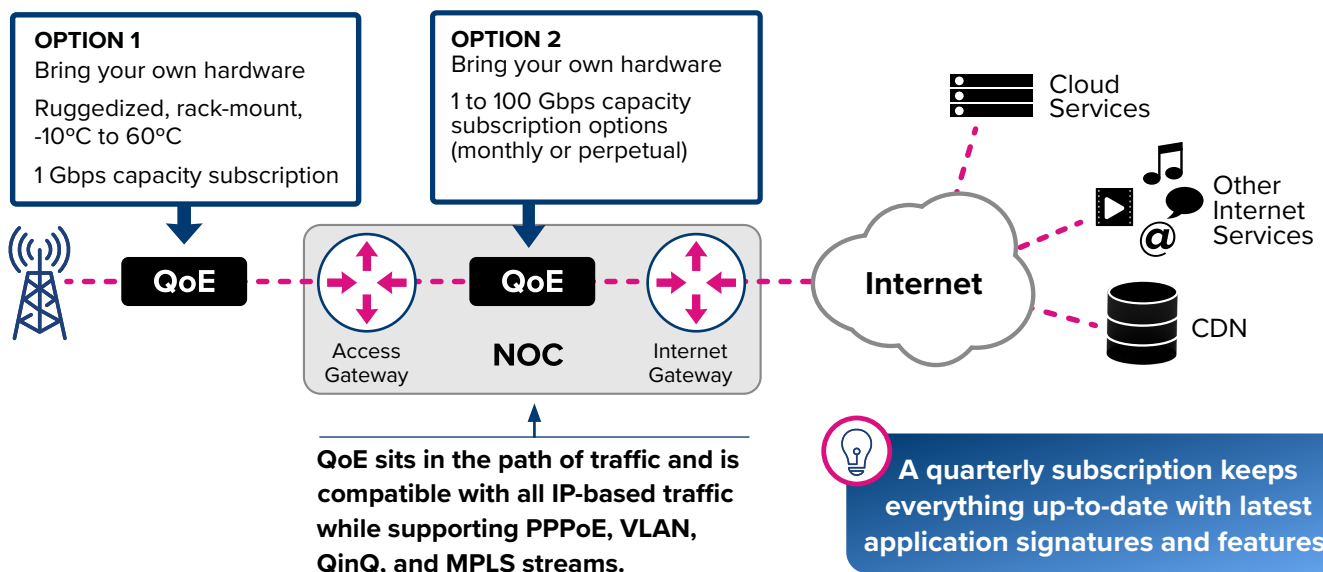


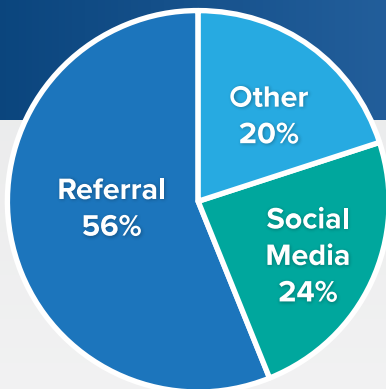
## Enhance control of your network

Boost end-user performance on any IP-based network:

Feature	Value
<b>TCP Acceleration</b>	<p>Accelerate data flows from 50%–200% in slow networks. Reduce latency and delays in streaming video.</p> 
<b>Per-User Rate Limiting</b>	Create individual rate-limiting plans to match offered packages while ensuring quality of experience for key applications inside the rate-limited package.
<b>Traffic Shaping by Application</b>	<p>Control data flows on application groups:</p> <ul style="list-style-type: none"> <li>• Cap video streaming applications below the user's plan maximum to leave room for interactive traffic, saving bandwidth and reducing latency due to buffer fills.</li> <li>• Allow needed bandwidth for real-time applications like virtual meetings and video streaming while reducing bandwidth for background applications, such as game updates.</li> </ul>
<b>Application Insights</b>	Understand network usage details by application, time of day, and user. Reduce support ticket resolution time by identifying high-bandwidth consuming applications.
<b>DoS Attack Detection</b>	Automatically detect and receive notifications for Denial-of-Service (DoS) attacks.
<b>Automatic Congestion Detection</b>	Leverage machine learning algorithms that learn and identify congested end points and automatically implement rules to improve end-user experience.
<b>Statistics and integration with cnMaestro™</b>	Leverage various statistics locally to identify high-latency, high-bandwidth users. Use cnMaestro Network Management integration to further enhance network-wide insights.

## QoE integrates into your existing network and operations with minimal impact and minimal configuration management required.





**Customer referral is the most effective method of acquiring new customers based on a 2020 survey of 400+ broadband service providers.**

## **Deliver the best value in residential broadband**

Today's broadband customers expect more than just speed from their connectivity. Service is no longer simply differentiated by speed but by how well customers experience their daily activities.

Residential broadband subscribers are willing to pay for a service that meets their increasing demands while they work from home, learn from home, and get their entertainment from home.

“We added the TCP Acceleration feature and noticed immediate improvements. We are able to see a clear reduction in support center calls and actual reports of improved performance from some customers in the form of faster web page downloads and application performance.”

**Guiseppe Socci**  
IT manager, DimenSione

Cambium Networks enables service providers, enterprises, industrial organizations, and governments to deliver exceptional digital experiences and device connectivity with compelling economics. Our ONE Network platform simplifies management of Cambium Networks' wired and wireless broadband and network edge technologies. Our customers can focus more resources on managing their business rather than the network. We make connectivity that just works.

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