

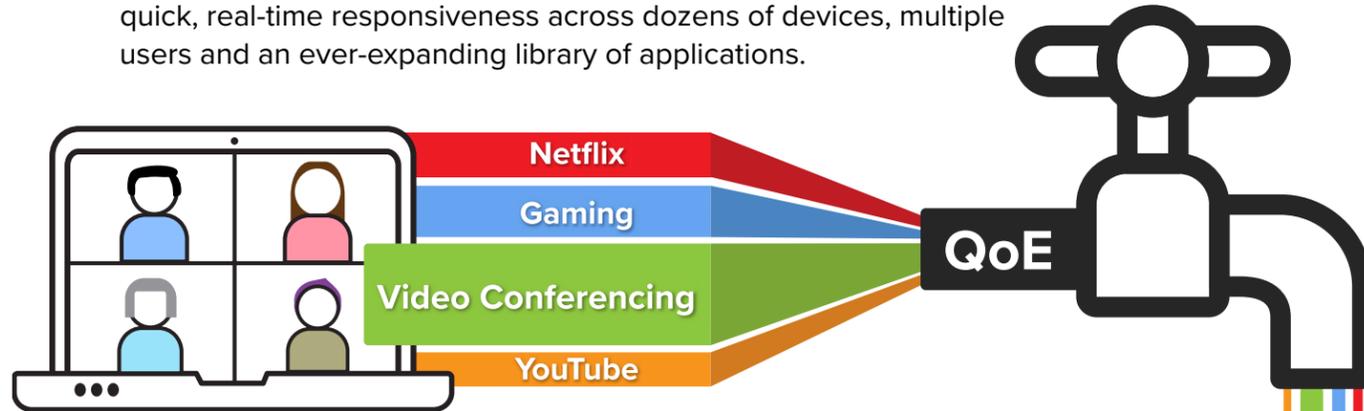
Quality of Experience (QoE)



Reduce support costs, customer churn and 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 your network performance and implement granular application control to optimize end user experiences
- Deliver a more profitable return on your network infrastructure
- Create and enforce multiple tiers of service

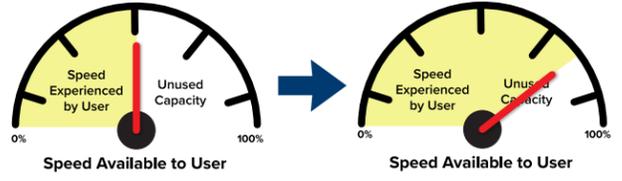


QoE Appliance

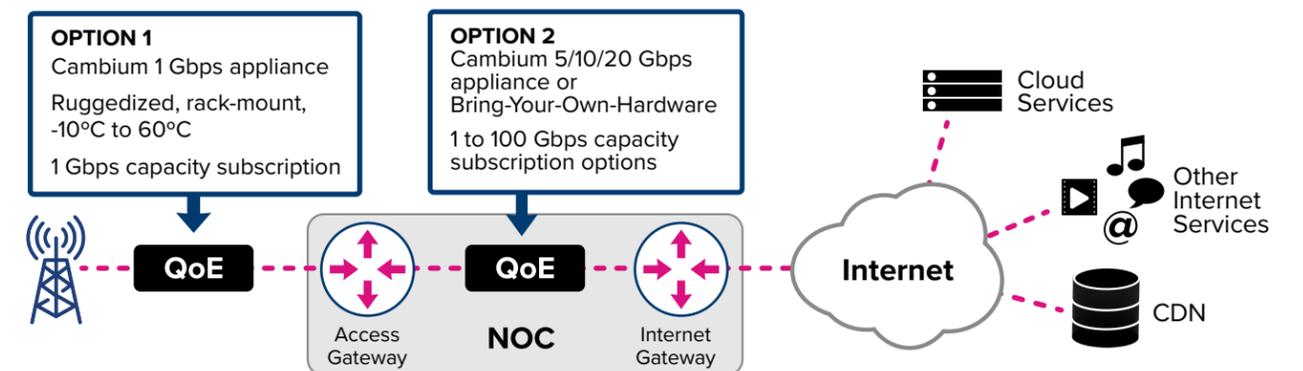


Enhance control of your network

Boost end user performance on any IP-based network with the following features:

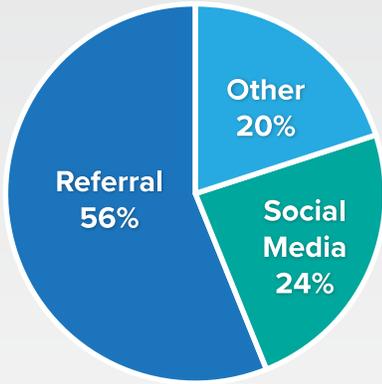
Feature	Value
TCP Acceleration	Accelerate data flows from 50%–200% in slow networks. Reduce latency and delays in streaming video. 
Per-User Rate Limiting	Create individual rate-limiting plans to match offered packages while ensuring quality of experience for key applications inside the rate-limited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

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



QoE sits in the path of traffic and is compatible with all IP-based traffic while supporting PPPoE, VLAN, QinQ and MPLS streams.

 A quarterly subscription keeps everything up-to-date with latest application signatures and features.



Customer referral is the most effective method of acquiring new customers based on a 2020 survey of more than 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 the customer experiences 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.”

Giuseppe Socci
IT manager, DimenSione



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