






ARC Hotspot

Automated Failover for Continuous Connectivity



Solve Connectivity Issues Without Manual Troubleshooting

Delivering seamless, redundant broadband service can be challenging for service providers. When fixed broadband providers experience service interruptions, customers often have the option to use a cellular hotspot to power the Wi-Fi devices at their homes or businesses, but shifting from an unreliable network connection to this secondary access network isn't foolproof. In addition to being able to recognize when an outage is occurring, the user must know how to turn on the cellular hotspot, disconnect the other Wi-Fi devices from the home or business Wi-Fi network and connect them to the cellular hotspot. The user must also know how to detect when the outage is resolved, how to turn off the cellular hotspot and how to reconnect the Wi-Fi devices back to the home or business Wi-Fi network. Manual troubleshooting like this leads to user frustration and may incur high downtime costs, while backup redundancy solutions can be expensive and complex to implement.

 <p>Reliable Broadband Network Failover</p>	 <p>Automatic Routing to Optimal Network</p>	 <p>Software Based Solution with No Additional Hardware</p>	 <p>Easy to Integrate with Any Modern Router or Gateway</p>	 <p>Cost-Effective for Business and Residential Needs</p>
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Comprehensive Broadband Failover for Every Connected Device

Kyrio's ARC Hotspot removes the burden of manual troubleshooting for the user and empowers broadband service providers to intelligently route traffic to smartphone Hotspots without the need for additional hardware. This software-based solution is easy to integrate and creates a streamlined user experience, resulting in increased customer loyalty and lower costs.

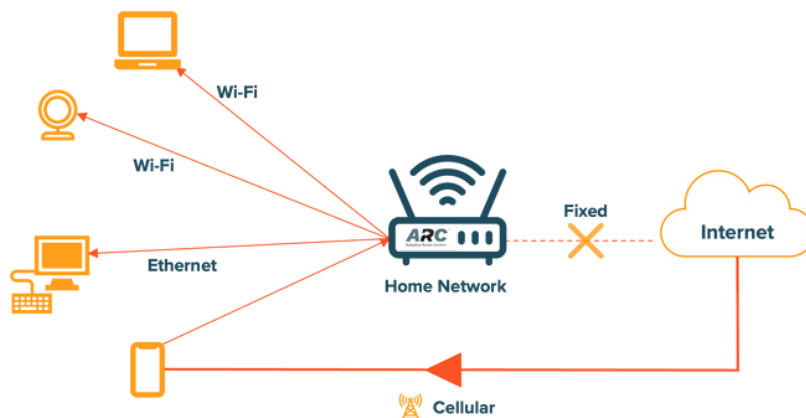
ARC Hotspot: Simple, Automated Network Reliability

ARC Hotspot increases the reliability of broadband services by automating the switch from wired access to cellular hotspot—and back again. It offers continuous service for devices connected to the home or business Wi-Fi network without the need for additional hardware or device reconfiguration.

How ARC Hotspot Works

ARC Hotspot's cost-effective, software-based solution reduces customer frustration and lowers costs for operators. Here's how:

- **Eliminates need for additional hardware:** ARC Hotspot leverages existing smartphones on the customer's premises as backup connections. This requires no additional hardware cost for an extra mobile radio connected to the home gateway.
- **Enables an automatic shift from the wired network:** Software on a broadband gateway detects when the wired network is down. ARC Hotspot then automatically shifts traffic to the cellular hotspot until the wired network is working again. Because the Wi-Fi devices on the premises don't need to be reconfigured, they stay connected to the gateway, which simply relays traffic to the cellular hotspot. This allows for continuous service for connected devices on the premises, such as laptops, mobile devices and smart home products.
- **Improves customer experience:** The ARC Hotspot agent can be added to the original equipment manufacturer's (OEM's) legacy and/or new devices and enabled through a simple firmware update. Integrating the ARC Hotspot mobile app's software development kit (SDK) within the operator's customer care app ensures a streamlined experience for the user.
- **Guarantees failover:** Kyrio provides software for gateways and mobile devices to manage the use of the cellular hotspot as a failover option for the fixed broadband connection. ARC Hotspot currently supports failover and can be extended to support aggregation, smart queuing and other routing features.



About Kyrio:

Kyrio, a subsidiary of CableLabs, works with network operators and their suppliers around the world to deliver software solutions and testing services that build stronger networks and enable exceptional user experiences. Learn More at www.kyrio.com