

APPLICATION NOTE



Highlights

Internet service providers (ISPs) and regional service providers (RSPs) have been major drivers of broadband infrastructure growth across the globe. With a commitment to developing the communities they serve, they face the challenges of connecting geographically large, lower-density areas but with a tight business case. To deliver a high quality of experience (QoE) while remaining profitable as both technology and demand evolve, they require a smarter, more flexible broadband infrastructure.

Broadband network investments face unprecedented momentum. Technological and behavioral shifts in the spheres of work, education, and entertainment have radically accelerated, making high-performance broadband connectivity essential to everyday life—and a highly coveted resource. This expectation for ubiquitous connectivity has been met by a surge in private funding, coupled with massive public case particularly challenging for network expansion and/or modernization.

These service providers are critical to the communities they serve, and they often have strong local ties. They help bridge the digital divide and, by enabling high-quality broadband internet access, promote tangible economic and social development—ultimately integrating and connecting society. It is a noble mission but not an easy one.

Delivering a high QoE at competitive prices over large areas of sparse and uneven demand requires an extremely flexible broadband solution, capable of adapting to the reality of each location and scaling as needed. But even

- ISPs and RSPs play a critical role in their communities, helping bridge the digital divide, promote economic development, and integrate and connect society
- Uneven and hard-to-predict
Once-in-a-generation private and public funding has created a unique opportunity to modernize access networks and address the digital divide

Hardened and weatherproof platforms provide additional flexibility, with the ability to move OLTs closer to end-users for improved performance.

Full set of services to support new or existing RSPs and ISPs