Ciena.

Broadband for Tribal Nations

With access to broadband, tribal governments can spur economic development, create jobs, connect with members, improve student performance, and deliver telehealth solutions. But deploying broadband across tribal lands raises some unique challenges.

Tribal governments can use Ciena's robust optical and routing and switching platforms to overcome the challenges of remote geography, rough terrain, and extreme temperatures. Ciena's weatherproof edge router can be deployed as an environmentally hardened access platform, providing broadband connectivity for remote residents and businesses. Ciena's high-performance, flexible, and weatherproof routers aggregate multiple traffic types back to a high-speed core network or middle-mile network.

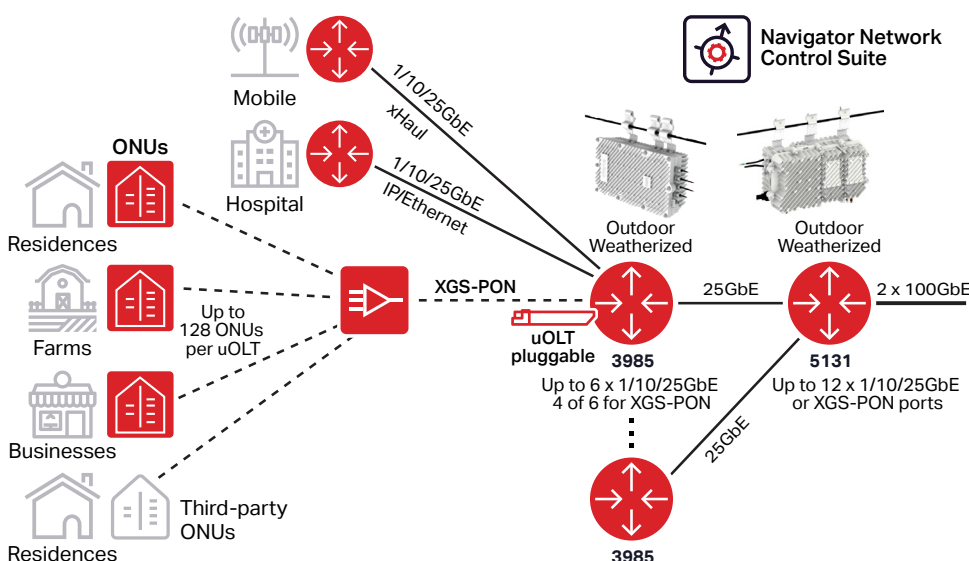## Broadband access solution to support tribal deployment

Figure 1. Ciena's outdoor weatherized PON deployment

Tribal Nation community benefits

- Stimulate economic development and ensure ubiquitous high-speed broadband access to tribal members, anchor institutions, and businesses operating on tribal lands
- Deliver flexible, scalable, and sustainable broadband through Ciena's routing and switching platforms, coherent optical technology, passive optical network (PON) pluggable technology, virtual Broadband Network Gateway (vBNG), multi-layer Navigator Network Control Suite™ (Navigator NCS), and full-lifecycle professional services solutions
- Access a one-stop shop for broadband solutions to help the community thrive—including planning, deployment, marketing, management, and monetization—from a trusted technology expert who will provide end-to-end support
- Control the network's full operational lifecycle with Navigator NCS—bringing the power of technology to Tribal Nations

Ciena recognizes that each community needs a unique, comprehensive network strategy that aligns with their needs while guaranteeing data sovereignty. With Ciena, Tribal Nations can deploy a flexible, scalable, and sustainable network architecture that can start small and easily expand to deliver broadband connectivity to unserved and underserved communities.

Middle-Mile Resource Center	Learn more

Residential broadband	Learn more

Contact us

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