

Mobile Ethernet backhaul solutions

Connecting Kansas through reliable, flexible bandwidth performance

KsFiberNet has built a state-of-the-art fiber-optic network with a 10 Gbps backbone system capable of scaling to 400 Gbps as bandwidth demand grows.

Reliability

- High reliability is derived from a network design that includes multiple levels of redundancy.
- Continuous service monitoring and proactive network management ensure service availability.

Flexibility

- KsFiberNet has a presence in underserved rural and key urban PoPs throughout the state of Kansas.
- KsFiberNet efficiently scales Ethernet bandwidth from 10 Mbps to 10 Gbps to cell sites.

Performance

- KsFiberNet's optical transport network minimizes latency and jitter between any two points in the network.
- Prioritization of traffic ensures that network performance meets the stringent service level agreements required of mobile providers.
- Monitoring portal offers near-real-time performance data for service assurance.

KsFiberNet's statewide reach
and partnership with

**29 RURAL
CARRIERS**

enable us to reach more than

**350 RURAL
COMMUNITIES**

throughout Kansas



Best of the best

KsFiberNet partners with best-in-class equipment providers

Our mobile backhaul transport service is based on best-in-class service routing, as well as DWDM and optical transport equipment. This platform enables KsFiberNet to construct and monitor highly reliable Ethernet services that are carried across a scalable optical transport network. KsFiberNet delivers connections over this network with minimal transport delay between cell sites and mobile termination switching offices (MTSO)/mobile switching centers (MSC).

Product features

- Ethernet access interfaces using VLAN traffic encapsulation
- Multiple services delivered on a single interface:
 - QoS per service
 - Layer 2 and Layer 3 services

Access point options

- Customizable services with scalable bandwidth flexibility
- Bandwidth can be committed per service and per class of service
- Up to eight forwarding classes per service with separate queues per class of service

Interconnection options

- KsFiberNet's network interface device (NID) at the cellsite for improved service monitoring
- MTSO/MSC device(s) connects to dual edge routers using 1 Gbps or 10 Gbps optical interface
- Multiple interface options available
- Geographically diverse handoffs to MTSO/MSC available
- Industry-standard testing, including Y.1731 performance monitoring and RFC 2544 qualification testing

