

# Enterprise Carrier Ethernet Networks

## Our Advanced Ethernet Can Help Improve the Way You Do Business

With over 90% of our central offices enabled for Ethernet, FairPoint can provide reliable high-speed connections to all of your locations. We have skilled local sales and sales engineering teams ready to design a flexible solution to meet your data networking needs. Ethernet offers:

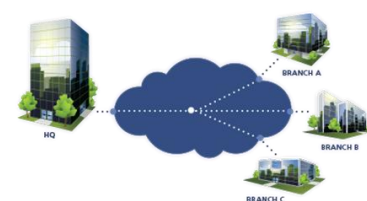
- **Cost efficiency** – Lower cost-per-Mbps than legacy frame or ATM
- **Data transfer reliability** – Low latency and low packet loss ensure data integrity
- **Better performance** – Class of Service (CoS) and Quality of Service (QoS) agreements allow you to prioritize the level of service metrics for critical applications
- **The ability to streamline your IT** – Converge both voice and data onto a single network
- **Range of bandwidth options** – Symmetrical speeds from 3 Mbps to 1 Gbps to meet your needs

## FairPoint Offers Several Ethernet Network Options

### Ethernet Line

FairPoint Communications' Ethernet Line (E-LINE) offers a highly scalable, reliable and dedicated connection to our fiber network so data is routed over a private network — not the open Internet — providing high quality and added security. We offer two E-LINE solutions to keep your data and application performing:

- Ethernet Private Line (EPL) – Point-to-point connectivity
- Ethernet Virtual Private Line (EVPL) – Point-to-multipoint connectivity



### Ethernet Local Area Network

FairPoint Communications' Ethernet Local Area Network provides any-to-any connectivity that's easy to manage, scalable and cost effective. E-LAN extends your native Ethernet environment to connect multiple locations within a metropolitan area, available in two versions:

- EPLAN – Provides all your locations with true any-to-any connectivity
- EVPLAN – Connects all points on a common network

## Service Level Agreements Ensure Quality

FairPoint offers service level assurances that address quality of service metrics based on class of service for E-LINE and E-LAN. These give customers peace of mind that FairPoint commits to strict criteria to standardize and ensure the successful delivery of data across the network.

Service Level Assurance Quality of Service Metric					
Class of Service	Availability	Packet-Delivery	Latency (rt)	Jitter	MTTR
Standard	99.95%	n/a	n/a	n/a	4 hrs.
Expedite	99.95%	99.900%	50 ms	n/a	4 hrs.
Priority	99.95%	99.990%	40 ms	5 ms	4 hrs.
Critical	99.95%	99.999%	30 ms	5 ms	4 hrs.

## Ethernet Network Service Enhancements

- FairPoint now also offers multiple classes of service over a single Ethernet Virtual Connection so you can prioritize your most important data traffic.
- Layer 2 Control Protocols will now be forwarded. (STP, RSTP, CDP)
- Ethernet Service supports both standard (maximum frame size [MTU] of 1,536 bytes) and Jumbo frames (maximum frame size [MTU] of 9,000 on all fiber based networks and 2,000 bytes on copper based networks).

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