

# Metro Ethernet Private Line

Secure, reliable Ethernet solutions for your networking needs

## Benefits

- **Availability** – service available in most major metro areas across the U.S.
- **Convenience** – of Ethernet, combined with the reliable performance of SONET
- **Value** – get all the dedicated bandwidth you pay for, the network is not oversubscribed
- **Performance** – optimal uptime for your mission-critical application
- **Competitively priced** – discounted term and volume contract options offer a choice of plans
- **Expertise** – in designing and delivering technical solutions

## Transport your Ethernet traffic securely and reliably

Metro Ethernet Private Line provides high-bandwidth solutions designed to meet your critical business application needs by combining the convenience of Ethernet connectivity with the unparalleled performance of Private Line. It extends your local area network (LAN) environment across a metro area —improving your communications. We combine the resiliency of our next-generation synchronous optical network (SONET) with the ease and convenience of standard Ethernet interfaces.

## Description

Metro Ethernet Private Line is a point-to-point, metro, dedicated, non-switched, full-duplex data transmission service. It complies with Ethernet over SONET to carry Ethernet traffic over a SONET ring located on the CenturyLink metro network. Service extends to and includes the network equipment maintained by CenturyLink at the demarcation points located on the SONET ring. At least one end of the service needs to be located on the ring. Ethernet Local Access may be leased to provide service that is not on the ring.

Metro Ethernet Private Line is for critical business applications that requires high availability. Applications include:

- Connecting data centers
- Large file transfers
- Sharing digital imaging
- Videoconferencing
- Gaming
- Multimedia
- Broadcasting
- Storage area networking
- Credit card transactions

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## Features

Feature	Description	Notes
Availability	Offered 34 domestic markets	
Ethernet interfaces	<ul style="list-style-type: none"> <li>• 1,000Base-LX</li> <li>• 1,000Base-SX</li> </ul>	<ul style="list-style-type: none"> <li>• 100Base –TX</li> <li>• FastE individual case basis</li> </ul>
Service speeds	<ul style="list-style-type: none"> <li>• 100Mbps</li> <li>• 150Mbps</li> <li>• 600Mbps</li> <li>• 1Gbps</li> </ul>	Additional speeds may be available depending on location
Topology	Point-to-point	
Customer hand-offs	2 fiber with SC connector	Single mode fiber
Maximum frame size	1,500 bytes	Varies by vendor type
Access options	<ul style="list-style-type: none"> <li>• Requires one end of the circuit as on-net</li> <li>• Ethernet Local Access over SONET only</li> </ul>	Options vary by market
Protection	<ul style="list-style-type: none"> <li>• 4 fiber SONET bidirectional line switched ring (BLSR)</li> <li>• 1+1</li> </ul>	
VLANs	Virtual LANs	VLANs are passed transparently
Network monitoring	Proactively monitors the health of the network 24/7/365	
Service level agreement	99.999% on-net	
Custom solutions	Expertise to develop custom solutions through the CenturyLink Network Design Center	Special construction may be required to build a network to meet your needs
Simplified pricing	<ul style="list-style-type: none"> <li>• Competitively priced</li> <li>• A flat rate per bandwidth</li> </ul>	One-year minimum term commitment required
Customer portal	Control Center	

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## How it works

Metro Ethernet Private Line architecture uses next-generation add-drop SONET multiplexers. It takes an Ethernet signal FastE (100Mbps) or 1Gig Ethernet and maps it into a SONET payload envelope of a SONET frame on the CenturyLink metro network. Our network uses an Ethernet over SONET encapsulation protocol. Unlike Layer 2 native Ethernet switched services, there is no oversubscription of the service. You receive fully dedicated point-to-point private, metro network connections.

## Why CenturyLink?

- Your network traffic will travel on one of the most advanced fiber networks in the world
- Limited network interruptions with fiber buried on railroad right-of-ways
- Your network will be managed and monitored 24/7/365 by a team of professionals that proactively stress tests the network to ensure it maintains the highest standard of performance
- Ensure the highest level of reliability if fiber is cut with an efficient ring architecture designed to support 4 fiber BLSR
- Receive an average 99.999% uptime

## Other CenturyLink products

- Optical Wavelength Service – offered in metro and nationwide markets with 1Gbps or 10Gbps Ethernet interfaces
- Domestic Ethernet
- Synchronous Service Transport (SST)
- Self Healing Network Services (SHNS)
- CenturyLink IQ™ Networking

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