

LEVEL 3 ETHERNET SOLUTIONS

Level 3 Ethernet services power secure, high-availability network solutions that enable high-performance voice, video and data applications. Level 3 Ethernet's private connectivity, scalable bandwidth and configuration options make it ideal for high-speed connections among corporate headquarters, data centers and other business locations around the world. Designed for flexibility with end-to-end availability, class of service and latency guarantees, the Level 3 platform is foundational for developing network solutions suited to your unique needs.

MPLS Network

Level 3SM E-Line

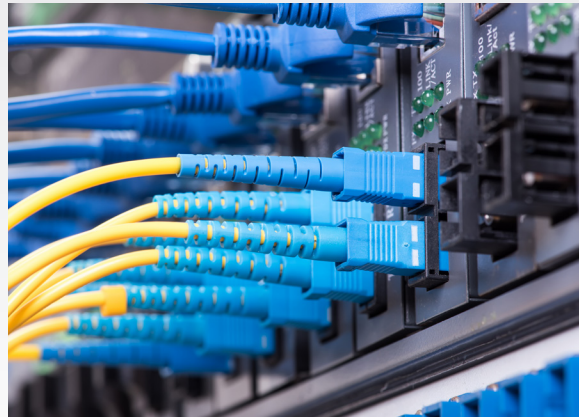
Level 3 E-Line service offers multiple interfaces and a range of scalable bandwidth increments. Service available in point-to-point and hub-and-spoke configurations makes it easy to partition different types of traffic between multiple locations. Scalable and flexible, Level 3 E-Line is highly efficient for delivering applications like data center networking, data replication, archival, business continuity, voice communications and video conferencing.

Level 3 E-Line Service with Level 3SM Adaptive Network Control solutions enables your network to respond to business-specific needs in real time with predictable costs. Level 3 E-Line Service with Adaptive Network Control delivers two features that can transform how you manage your network and applications:

- Level 3SM Enhanced Management: Provides visibility into network performance characteristics on an end-to-end, site-by-site basis, so you can better understand the demands on your network and how to streamline operations.
- Level 3SM Dynamic Capacity: Gives you the ability to scale your bandwidth by up to 300 percent, — on demand or automatically — to accommodate traffic fluctuations from both planned and unplanned events.

Level 3SM E-Access

Level 3 E-Access service provides an MEF-certified 1Gbps or 10Gbps external network-to-network interface (ENNI), giving carriers, application, data center and solution providers a single point of access into Level 3's Ethernet footprint. Level 3



E-Access includes a set of advanced features to deliver a reliable Ethernet interconnection scalable up to 1,000 Ethernet connections, with options for Level 3 E-Access, Level 3's Ethernet Virtual Private Line (EVPL) and Level 3[®] Ethernet Private Line (EPL) from the same hub port.







Transport Network

Level 3[®] Wavelength service offers dedicated bandwidth and the full network transparency your enterprise requires. Available in 1 GigE, 10 GigE or 100 GigE speeds, protected and unprotected, Level 3 Wavelength service is the ideal choice for network backbones between high-traffic locations where customization, reliability and control are key.

Level 3[®] Ethernet Private Line Service (EPL) provides the same dedicated bandwidth and transparency as wavelength, but is available in 100 Mbps and 1 Gbps Ethernet with standard ring-protection via unprotected, 2-fiber customer handoffs. EPLs are well-suited for smaller bandwidth applications that still require the highest levels of availability and performance.

Connect to the Cloud Effortlessly and Securely

Level 3® Cloud Connect Solutions leverages our MPLS and Transport Ethernet Services to allow you to quickly and easily create secure, high-performance connections to the leading cloud and data center providers around the world.

Level 3 Product	Topology	Technology/ Transparency	Speeds	Access Options	Class of Service	Hub Configuration	Billing Configuration
E-Access		Ethernet over MPLS/Layer 2	50 speeds; 2Mbps-6Gbps	On-net Ethernet; Off-net Ethernet	Basic Enhanced Dedicated	External NNI (ENNI); 1Gbps or 10Gbps; up to 1,000 connections	Nationwide Flat Rate or Metro Flat Rate + Intercity Flat Rate
E-Line EVPL		Ethernet over MPLS/Layer 2	50 speeds; 2Mbps-6Gbps; >6Gbps *	On-net Ethernet; Off-net Ethernet	Basic Enhanced Dedicated	Multiplexed UNI; 100Mbps, 1Gbps, 10Gbps; up to 50 connections	Metro Flat Rate + Intercity Flat Rate
Ethernet Private Line		Ethernet over SONET, DWDM	15 Speeds; 3Mbps-10Gbps	On-net Ethernet; Off-net Ethernet	Full Transparency	N/A	Metro Flat Rate; Intercity variable by mileage
VPLS		Ethernet over MPLS/Layer 2	37 Speeds; 1Mbps-10Gbps	On-net Ethernet; Off-net Ethernet	Basic/Basic Plus, Enhanced/ Enhanced Plus, Premium/ Premium Plus	100Mbps (FE), 1Gbps (GE), and 10Gbps ports	Flat Rate or Commit Plus Usage
MPLS/IP VPN		IP over MPLS/Layer 3	37 Speeds; 1Mbps-10Gbps	On-/Off-net Ethernet, On-/Off-net TDM	Basic/Basic Plus, Enhanced/ Enhanced Plus, Premium/ Premium Plus	100Mbps (FE), 1Gbps (GE), and 10Gbps ports	Flat Rate, Usage or Commit Plus Usage
Wavelengths		Ethernet over DWDM/ Full Layer 2 Transparency	Ethernet: 1, 10, 40 * and 100Gbps SONET/ SDH: 2.5, 10 and 40Gbps,	On-net; Off-net *	Full Transparency	N/A	Metro Flat Rate by building category; Intercity variable by mileage

*Individual case basis

ABOUT LEVEL 3

We build, operate and take end-to-end responsibility for network solutions that connect you to the world. We put customers first and take ownership of reliability and security across our broad portfolio.

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