

# Ethernet Layer 2

Segra Ethernet provides the configuration flexibility to join sites, the bandwidth scalability to feed applications, the access to reach the Internet and private VPNs at business speeds, and the service resiliency to keep your network running. In addition, Segra Ethernet service is MEF Certified so it inter-operates smoothly with the existing networks at your sites. Segra Ethernet is ideal for enterprises that need to connect sites with a versatile, scalable, carrier-class network fabric. Our premium fiber network reaches major markets in the Mid-Atlantic, as well as outlying areas in the region not typically served by other providers.

Once your requirements are established for network topology, access, speed, and traffic prioritization, the Segra Ethernet service is configured to meet these needs.

Segra Ethernet is a Layer 2 service so it is transparent to your existing network, which simplifies administration and preserves control. We connect your sites without the need for your staff to modify IP routing information or exchange it with us. In addition, your staff can make IP routing changes to your network without coordinating with Segra. Essentially, Segra Ethernet connects your sites without any impact to your existing IP routing; your locations operate as if they were simply connected by an Ethernet cable.

## FLEXIBILITY

Segra Ethernet service supports point-to-point and multi-point topologies to connect sites in the manner that best suits your application needs.

## SCALABILITY

Segra Ethernet offers a range of speeds that easily accommodate your network growth.

## COST-EFFICIENCY

With Segra Ethernet, you pay only for the bandwidth you need, and you can increase bandwidth without expensive equipment upgrades.

## RESILIENCY

Segra Ethernet includes resiliency mechanisms to ensure traffic delivery, as well as end-to-end Quality of Service (QoS) options for traffic prioritization across the Segra network path.

## STANDARDS COMPLIANT

Segra Ethernet is MEF Certified to ensure that the service inter-operates smoothly with your existing networks.

## FEATURES

- Topologies – E-Line, E-LAN, E-Tree, or E-Access
- MEF Certification – for all topologies
- QoS – Six tier, end-to-end model
- Access – Type 1 (on-net) and Type 2 (off-net)
- Ports – 10 Mbps, 100 Mbps, 1 Gbps, and 10 Gbps
- Speeds – Select speeds from 3 Mbps to 10 Gbps
- SLAs – Carrier-class for service availability

	Protected	Unprotected
<b>MEAN FRAME DELAY SLA INTERVAL</b>	10ms Month	10ms Month
<b>INTER-FRAME DELAY SLA INTERVAL</b>	3ms Month	3ms Month
<b>FRAME LOSS RATION SLA INTERVAL</b>	.0001% Month	.0001% Month
<b>AVAILABILITY SLA INTERVAL</b>	99.99% Month	99.99% Month
<b>MTTR SLA INTERVAL</b>	2 Hr Month	4 Hr Month