

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. 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.

FEATURES

- Topologies -- Support for E-LINE, E-ACCESS, ELAN, E-TREE topologies
- QoS -- Six tier, end-to-end model
- Access -- Type 1 (on-net) and Type 2 (off-net)
- Ports -- 100Mbps, 1Gbps, 10Gbps, 100Gbps and 400Gbps
- Speeds -- Select speeds from 5Mbps to 400Gbps
- SLAs -- Carrier-class for service availability

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