# Wavelengths

Segra's Wavelength service provides organizations with our fastest, highest capacity, point-to-point pipes, up to 400 Gbps, which are ideal for the biggest data demands. Content is exploding, online transactions are growing exponentially, cloud applications abound, and the need for information storage and business continuity is greater than ever. In this environment, content and data are king, which means bandwidth is too. Enterprise and carriers must have high capacity connectivity to move these mountains of information.

The Wavelength service is a point-to-point connection between two locations that is dedicated to a single customer and provisioned on our high-speed fiber optic backbone.

### PERFORMANCE
All of the bandwidth on a Wavelength is 100% dedicated to your business, giving you maximum speed and throughput.

### EFFICIENCY
You can operate a single Wavelength instead of multiple smaller waves or private lines, which saves the capital expense and resources associated with increased links.

### SECURITY
Because a Wavelength circuit is dedicated, only your information travels across the link so it stays safe and secure.

### CUSTOMIZABLE
The Segra Wavelength service gives you control over the protocols and bandwidth priority used on the circuit, allowing you to customize the traffic and capacity allocation to your needs.

### FEATURES
- Maximum Capacity – The Wavelength service provides up to 400 Gbps of bandwidth.
- Protocol Independence – The Wavelength service is protocol independent and can transport data, voice, video, and IP as Layer 2 or Layer 3 traffic.
- Bandwidth Management – Because a Wavelength is dedicated to a single customer, the customer has complete control of bandwidth prioritization and Quality of Service (QoS) on the link.
- Multiple Configurations – Multiple wavelengths can be configured as a dedicated ring or a hub-and-spoke topology.
- Diversity – Route diversity is available for the Wavelength service to create protected paths across the WAN, and the Segra Local Ring Enhancement service provides diversity options for on-net access loops.

### SPECIFICATIONS
- Access -- Type 1/on-net
- Availability – Across the entire Segra network
- Speeds – 2.5G, 10 Gbps, 100 Gbps, 400Gbps