

# PRIVATE LINE

US Signal's Private Line and Optical Wave solutions are layer 1 network services designed to meet the specific requirements of your network solution. These robust offerings feature redundant SONET technology for private lines and customizable DWDM services for optical wave solutions.

## At-a-Glance

- + Dedicated transport network connectivity without the upfront network investment
- + Industry leading Service Level Agreements for availability
- + Rely on guaranteed bandwidth with speeds ranging from 1.5 Mbps to 100 Gbps
- + SONET provides sub 50ms redundant path switching
- + Optical Wave supports customizable signal formats

## US SIGNAL ADVANTAGE

### Serviceability

A high density of central offices and on/off ramps serving tier 1, 2, and 3 markets.

### Ordering and Fulfillment Process

High touch service delivery processes to effectively manage client information, provisioning, support and billing.

## PRIVATE LINE TECHNICAL OVERVIEW

Private Lines provide a dedicated, secure, SONET protected connection between two customer locations. Private Lines for metro and long-haul point-to-point circuits from DS-1 to OC-192 capacity with Fast Ethernet and Gigabit Ethernet handoffs. Metro services including multiplexing, inter-office transport, cross connections, and local loops are also available in select markets.

- + End-to-end provisioning on US Signal's SONET protected connection
- + Multiple bandwidth and handoff options from DS-1 to OC-192
- + Flexible network architecture to support point-to-point and hub arrangements

## Private Line Service Agreement

Availability 99.999%.



## **OPTICAL WAVE TECHNICAL OVERVIEW**

US Signal Optical Wavelength Service (OWS) provides dedicated, transparent, and secure connections between two customer locations. OWS is a fiber based point-to-point service allowing customers to transmit data signals across 1 Gbps through 100 Gbps waves.

- + 1, 2.5, 10, and 100 Gbps bandwidth available
- + Numerous handoff options, including SONET OC-48 and OC-192, 1 GigE, 2.5 GigE, 10 GigE, LAN/WAN-PHY, SR10, LR4, and more
- + Over 150 carrier-neutral locations, central offices, and wireless MSCs/MTSOs
- + Metro and long haul wave services offered

### **Optical Wave Service Agreement**

Availability 99.99%.