



## VoIP



With PRI, SIP, and Hosted VoIP options, we can create a solution to fit your business needs. Even help you connect geographically dispersed employees and devices on one unified phone system!

### **PRI** (Primary Rate Interface):

- Full and 1/2 PRI available
- Easy deployment
- Great calling features

### **SIP** (Session Initiation Protocol):

- SIP Trunk bundles are cost effective & flexible in quantity
- Centralized management and hardware. Great for multisite businesses
- Scalable to hundreds of concurrent calls

### **Hosted Phone Service:**

- Hosted Phone Service is provisioned via PBX in the cloud allowing you to enjoy all of the calling features without the PBX hardware and management
- Simple and easy deployment
- Handset included or use your own (*must be an approved model*)
- Mobility application add-on available

LIGHTWAVE VoIP

# We have You covered...

- Internet
- Ethernet
- VoIP
- Dark Fiber
- Managed Wireless
- Business Class Internet
- SD Wan
- Data Centers
- Managed Services
- **NightWave** (add-on service)

We provide over 5,500 fiber miles in the Greater Houston Area and the 7 surrounding counties, 24/7/365 Network Operations Center (NOC) support, and customizable network solutions.



## 832-615-8000

5959 Corporate Drive, Ste. 3300  
Houston, Texas 77036  
[psLIGHTWAVE.com](http://psLIGHTWAVE.com)

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# Your Network Your Way

It's that Simple



PURE SPEED  
**LIGHTWAVE**



## ETHERNET



## INTERNET



## DATA CENTER



### Point to Point (EPL)

Connection between two locations

### Point to Multipoint (ETREE)

Multiple sites going back to one point

### Multipoint to Multipoint (ELAN)

Multiple locations connecting to each other

### Data Centers

Connection to 17 major data centers in the Houston area

Ethernet redundancy with over 50 data rings throughout the Greater Houston Area. Even if there is a break in the primary pathway, when you're on one of our protected rings your connection will still be fully operational.

- High speed with low latency & fewer hops
- Redundancy through facilities-based data rings
- Facilities-based network
- Burstability for a boost in speed when needed
- Symmetrical and full duplex bandwidth
- Scalable network that's easily upgraded
- Carrier grade transport from 10 Mb to 100 Gb
- Fiber connection end-to-end



## SD WAN



PS LIGHTWAVE is offering an **All-in-One Cloud NSX SD-WAN Orchestrator** for enterprise, SD-WAN automation Deployment flexibility, and simplicity via:

### Zero Touch Deployment

One-click service insertion

### Form-Factor

Appliance, Virtual & Cloud Gateway or Non-VeloCloud sites

### Outcome Driven

Overlay Flow Control, Segmentation, PKI, IPsec

### Hosted Orchestrator

We can lease you Dark Fiber routes, offering high-quality network reliability, multiple speeds, and security.



## DARK FIBER

Dark Fiber routes offer an optimal solution for educational institutions, carriers and data centers by providing the same level of speed, support and reliability we are known for, combined with the flexibility of managing Dark Fiber to suit the needs of the organization.

We own and operate a 12,000 sq ft data center with the utmost attention towards redundant power, cooling and connectivity to support physical hardware and hybrid solutions with the major cloud providers.

### System

Overhead proprietary cable tray system with ladder rack

### SLA

- 99.999+% Power availability
- 99.99+% Temperature & Humidity availability
- 99.99+% Cross Connect availability

### Manned 24/7/365

Employees onsite to monitor & respond to any alarm

## INTERCONNECTION OPTIONS

### Cross Connects

Accommodate wide array of fiber optic or copper cross connects

### Metro Connect

Extends choice and reach for carrier and network availability across metro areas

### Voice Carriers On-Net

PS Lightwave, Verizon, AT&T, Comcast, CenturyLink/Lumen (Level 3, Time Warner Telecom)

### Data Center On-Net

PS Lightwave, AT&T, Zayo, Verizon, CenturyLink, Comcast, Logix

### Multi-cloud connect

Private and Public low latency, high speed direct fiber connections to top cloud providers, including AWS, Azure, Google, Oracle and others



psLIGHTWAVE.com



832.615.8000 support@psLIGHTWAVE.com



LIGHTHOUSE DATA CENTER