

LIGHTWAVE DATA CENTER, SAN DIEGO

LightEdge's Lightwave Data Center (LWDC) is an 80,000 square foot facility in the San Diego Spectrum area of Kearny Mesa in central San Diego offering colocation, cloud services and direct connectivity to AWS and Microsoft Azure at One Wilshire Blvd (OWB). Originally built to support a large defense contractor, LWDC is built to the most rigorous of standards, with 2N redundant power and a dedicated central plant for cooling. As a carrier-neutral facility, with multiple fiber vaults providing diverse points of entry, Lightwave is a premier point of interconnection for many of the world's leading carriers and network service providers.

CLIENT AMENITIES

- ▲ Shipping and receiving with loading dock
- ▲ Client staging area with secure storage
- ▲ Client work area equipped with desks, wire internet
- ▲ Facility-wide free wireless Internet access
- ▲ Ample on-site parking
- ▲ Client lounge equipped with full kitchen, food, beverages, and TV
- ▲ Conference room with projector and video conferencing

NETWORK CONNECTIVITY

- ▲ Multiple fiber vaults with diverse entry
- ▲ Large carrier-neutral meet-me room
- ▲ IPv4 and IPv6 data center support
- ▲ Option to access LightEdge performance-routed blended network: AT&T, Comcast, Cox, Level 3, NTT, Savvis, Sprint, Verizon, XO & peering via Any2 & CENIC International Internet Exchanges
- ▲ Private Layer 2 transport to any remote LightEdge facility
- ▲ Multiple fiber providers on-site including: AboveNet, AT&T, Cogent, Comcast, Cox, Integra, Level 3, Spectrum, TelePacific, TransTelco, Wilcon, XO and Zayo
- ▲ Cross Connect to the LWDC meet-me room and inter-cabinet via any media type

CLIENT SUPPORT SERVICES

- ▲ Dedicated data center support center
- ▲ 24x7x365 on-site support staff
- ▲ Remote hands services
- ▲ Managed tape rotation

FIRE SUPPRESSION

- ▲ Dry-pipe, pre-action double interlock fire suppression system
- ▲ Zone specific discharge
- ▲ FM200 fire suppression in mechanical and electrical rooms

DATA CENTER SPACE

- ▲ Private suites from 100 to 5,000 sq. ft.
- ▲ Built-to-spec private colocation cages
- ▲ Locking colocation cabinets in 13u, 17u, 26u, and 54u increments
- ▲ Shared cabinet space in 1u increments
- ▲ Roof rights with excellent line-of-site (LOS)
- ▲ On-site office space available

POWER SYSTEMS

- ▲ 9.1 Megawatts from SDG&E
- ▲ Distributed redundant N+1 UPS plant
- ▲ A/B, 208v/120v power distribution
- ▲ Standard 12 KW per rack (or higher contingent upon client requirements)
- ▲ N+3 emergency generator configuration
- ▲ Minimum 48-hour run time fuel capacity
- ▲ Multiple fuel providers with 4 hour response or better

COOLING SYSTEMS

- ▲ HVAC system with N+1 redundancy
- ▲ 73° ambient air temperature (+/-5 degrees)
- ▲ 45% humidity (+/-5%)

PHYSICAL SECURITY

- ▲ 24x7x365 on-site staff
- ▲ Camera with remote door release at facility entrance - only authorized personnel are allowed to enter
- ▲ Geometric finger scanner at man trap entrance
- ▲ Card access control at all interior data center doors
- ▲ CCTV digital surveillance cameras with 90 days storage on all main data center areas
- ▲ Shipping and receiving area is isolated from the colocation floors



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