

# Scottsdale Data Center

## Technical Specifications

The Scottsdale Data Center is a top-tier, high availability data center, serving as a hosting site for law firm data and systems, protecting against business interruptions.

### Building

*Maximum security and protection ensure the safety of your data.*

#### Building Features:

- Two-story building
- 100+ private parking spaces
- Monitored and secured
- Two elevators—one for passenger and second for industrial lift with up to 10,000 pounds capacity
- Secure shipping and receiving dock is available to receive customer equipment
- The building is accessible to customers 24 hours a day, 365 days a year

#### Raised Flooring:

- 86,000 sq. ft. of grounded (24 inches) access raised floor system manufactured by Tate
- Floor is constructed of Tate 1250 ConCore® Concrete filled floor tiles that can handle up to 1250 pounds per tile

### Power

*Maximum power protection maintains data security at all times.*

#### Power Mains

- Dual power is provided to the site via two diversely routed redundant incoming high voltage main feeds
- Dual 12Mw redundant dedicated feeders with ability to further upgrade to 24Mw in the future
- Uninterruptible power supply
- 4Mw of UPS conditioned dual power with power backup batteries
- VRLA 5 minutes of runtime at 100% load
- In the event of a complete mains failure, power continuity is ensured by means of (N+1) UPS systems, at the high voltage level, designed to support the full load of the site

#### Power Backup

- Emergency power backed up by two 1.75 Mw and five 2 Mw Caterpillar® diesel generators
- Pads are in place for additional units for growth expansion

- Entire generator plant designed to minimum N+1 redundancy
- Fuel tank (27,000 gallon capacity) is onsite with a minimum 48-hours run time

#### Hardware Equipment Power

- High-density power capacity of up to 200 watts per square feet
- Cabinet power distribution output in Amps: 16A – 40A
- The AC power is provided to the hardware cabinet from two separate, 100 percent redundant power bus bars, fed via diverse routes from the Main Distribution Board
- Main Distribution Board is designed to ensure power continuity in case of failure or planned maintenance on a part of the A/B system

### Cooling

*Creates an ideal climate for ultimate data storage conditions.*

- Fully redundant chilled water plant with 2,600 tons of Stulz® Air Handlers, N+1 redundancy on all systems
- Piping has welded bi-directional design for redundancy and maintenance
- On-site RODI water treatment system
- Humidification is ultrasonic with ultra clean water
- Backup water system includes a 32,000-gallon onsite storage facility
- Rope Style leak detection throughout the data center

### Fire Protection

*Integrated support throughout the facility for immediate protection.*

#### Fire Alarm

- Direct connection to the local fire service brigades

#### Fire Suppression

- Fire suppression system is dual interlocked pre-action dry pipe with VESDA (Very Early Smoke Detection Alarm) above and below floor

### Network Connectivity

*Provides a seamless interface to critical network connections.*

- Core fiber via multiple redundant and diverse path
- Carrier-neutral facility with multiple carriers currently installed and not limited to: AboveNet, AGL, AT&T®, Clearwire, Cogent, Cox®, Level 3, CenturyLink™, SRP Telecom, tw telecom®, Verizon, and Western WiMAX
- Network cross-connects are provided from carrier demark location to customer hardware equipment

### Security

*Fully staffed building personnel and state-of-the-art security systems protect all aspects of your data storage.*

#### Key Features Include:

- On-site 24/7 security officers
- Advanced biometrics security devices: Fingerprint scanning
- Multiple trap doors security control
- Closed-circuit TV surveillance with digital recording
- Locked cabinet

#### World-Class Monitoring

- 24/7/365 alarm monitoring, both locally and at LexisNexis U.S. Hosting Operations
- All electrical and air conditioning alarms, water detection, smoke detection, security breaches are reported to a central building monitoring system (BMS), with immediate treatment of alarms by onsite personnel and Network Management Centers

### Support

*Round-the-clock support provides resources and consultation for any situation.*

- 24/7/365 Data Center and Network Operations Support—Fully Managed Technology and Telecommunication Services. Onsite staff provides 24/7 smart remote hands and technical support.



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