

Stamford, CT Data Center Specifications

Environmental Space



- 20,000 square feet of 24-inch raised floor space
- Distributed weight limit is 1,200 pounds per square foot
- Drains spaced throughout the data center under the raised floor

Physical Security



- Dedicated security personnel monitor controlled access at the building perimeter and within the data center
- Proximity card readers and surveillance systems monitor and control access within the facility
- Especially sensitive areas such as the data center floor are additionally protected by biometric readers
- Dozens of surveillance cameras, motion sensors, and biometric identification systems create a fortress like environment
- Each proximity badge is matched to an individual fingerprint
- All video surveillance, proximity, and biometric readers' data are monitored from the central security office

Fire Detection and Suppression



- Dry pipe dual interlock pre-action sprinkler system
- Equipped with a VESDA (Very Early Warning Smoke Detection) smoke detector system capable of detecting microscopic particles of smoke

Power Infrastructure



- Fully redundant tiered electrical system
- Power design based on multiple and fully divergent power grids and substations
- Two separate feeds from utility company
- N+N UPS: six individual 750KVA UPS units
- 3 Kohler 2MW diesel generators in a N+1 configuration with N+1 power feeds into facility
- 5,500 gallons of fuel per generator (total of 16,500 gallons)

Environmental Design



- Cooling system engineered to provide built-in redundancy
- Location of computer room units planned to accommodate special cooling requirements and facilitate high-density cooling environments.
- Systems include: ability to support high-density power design, split air conditioning unit with a room air conditioner and a rooftop condenser, redundancy in one out of five units with no single point of failure

Telecommunications Network



- Fault tolerant network, multi-honed Synchronous Optical Network Technology (SONET) rings
- Network devices are N+1 redundant
- Self-healing WAN and fully redundant, high-speed LAN infrastructure (fast Ethernet/gigabit Ethernet)
- Recovery center is interconnected and peering with national and international Tier 1 and Tier2 carriers

Network Operations Center



- State of the art network Operations Center is manned 24x7x365
- Seven station network operations and command center
- Minimum of two network operators at all times