

Wappingers Falls, NY Data Center Specifications

Environmental Space



- 70,000 square feet of 18-inch raised floor
- Electrical outlets are 14 inches off the slab under the raised floor
- Network connections are located in overhead cable trays
- Drains located 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 video surveillance systems monitor and control access within the facility
- Especially sensitive areas such as the data center floor are additionally protected by biometric readers
- Throughout the state-of-the-art facility, 52 video 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 biometrical readers' data are monitored from the central security office

Fire Detection and Suppression



- Cerberus Pyrotronics Fire Protection System
- Dry pipe, dual-interlock pre-action sprinkler system

Power Infrastructure



- Electrical system is designed with full N+1 redundancy at all times
- 2 in-house electrical substations
- 2 separate power grids
- N+N UPS: eight PowerWare 9315+500 systems rated at 500KVA/400KW each, operated in pairs of two for backup
- Four Kohler2MW diesel generators in a N+1 configuration with N+1 power feeds
- 3000 gallons of fuel per generator

Environmental Design



- Closed loop, glycol based cooling system with complete redundancy in all components
- 4 750-ton HVAC cooling towers supported by 4 600 ton and 1 250 ton chillers
- 31 20-ton air handlers, some with humidification system

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 Tier 2 carriers

Network Operations Center



- State of the art Network Operations Center is manned 24x7x365
- 8 station network operations and command center
- Minimum of 2 network operators at all times