

Data Center Specifications: NJ1

Building



LOCATION: Piscataway, NJ

ACREAGE: 38

BUILDING SIZE: 360,000 SF

NEAREST AIRPORT: Newark Liberty International Airport (EWR)

UTILITY POWER: 69.0 kV

PARKING: 200+ spaces

NUMBER OF STORIES: One, plus customer offices and engine-generator mezzanine

LOADING DOCKS: Four dock bays; two with levelers, one with scissor lift

FIRE PROTECTION: Double interlocked pre-action sprinkler system with VESDA monitoring system standard

The greater New York metro area is a pulsing capital of industry and finance - alive 24 x 7 x 365 with critical transactions that shape our future. NJ1 keeps your business right in the heart of the action. An ideal home for your IT assets and applications, NJ1 delivers metropolitan sophistication with the right mix of power, reliability, security and nonstop performance.



Computer Room Specifications

SIZE: 2,700 SF and 11,000 SF

CRITICAL POWER CAPACITY: 568.75 kW, 1,137.5 kW or 2,275 kW

CRITICAL POWER: 36.4 MW



Data Center Area Description

COMPUTER ROOM FLOOR: 176,200 SF

NUMBER OF COMPUTER ROOMS: 28

RAISED-FLOOR HEIGHT: 42"

COMPUTER ROOM FLOOR-TO-CEILING HEIGHT: 15'-22'

OFFICES: 10 pre-constructed offices

STAGING: 8 rooms

MISCELLANEOUS: Wi-Fi, conference rooms, break room and shower room with lockers



Security

BUILDING AND PERIMETER: Fully monitored by CCTV cameras and security officer patrols

SECURITY OFFICERS: 24 x 7 x 365

ACCESS CONTROL: Electronic security features with access card entry and dual authentication with biometric readers

CCTV: Yes (minimum 95-day video retention)



Communications

POE: Four separate network POEs with diverse underground duct banks leading into the facility

CONDUITS: Dedicated underground conduits to each computer room

MULTIPLE CARRIERS: DFT is carrier-neutral

MEET-ME-ROOM: Two MMRs



Systems

UPS SYSTEMS: Thirty-two 1,300kW rotary UPS units. Redundancy: N+2, each phase

GENERATORS: Thirty-two 2,250 kW diesel-engine generators
Redundancy: N+2, each phase

HEAT REJECTION SYSTEMS (HVAC): 16 centrifugal chillers, each with 1,080-ton capacity. Redundancy: N+2. Two 500,000 gallon above ground chilled-water storage tanks

PDU: Voltage: 208/120 V. Redundancy: N+2

ONSITE FUEL CAPACITY: Four 50,000-gallon underground diesel-fuel storage tanks. Minimum 55 hours fuel run time



Connectivity

- ANEXIO
- AT&T
- Universal e-Business
- Windstream Communications
- Sunesys
- Zayo
- Verizon
- Verizon Business
- Cablevision
- Cogent Communications
- Crossriver Fiber
- Level 3 Communications
- Spread Networks
- Fibertech Networks
- Lighttower Fiber Networks
- Sidera Networks
- Mox
- Net Data Centers
- XO