Data Center Specifications: ACC4

Discover one of the most efficient and cost-effective data centers in the world, built from the ground up to deliver maximum power and reliability. ACC4 is sited on 17 acres of the Ashburn Corporate Center campus in Loudoun County, a Virginia area known as Data Center Alley. With 20 independently backed up computer rooms and 36.4 megawatts of critical power capacity, ACC4 offers a density of 207 watts per square foot and takes advantage of eco-friendly reclaimed water for advanced evaporative chilling.

**Computer Room Specifications**

**SIZE:** 11,000 SF (average) for 2,275 kW rooms; 5,500 SF (average) for 1,137.5 kW rooms

**CRITICAL POWER CAPACITY:** 1,137.5 kW—2,275 kW

**CRITICAL POWER:** 36.4 MW

**Data Center Area Description**

**COMPUTER ROOM FLOOR:** 171,200 SF

**NUMBER OF COMPUTER ROOMS:** 20

**RAISED-FLOOR HEIGHT:** 48"

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

**OFFICES:** 13

**STAGING:** Six rooms

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**Building**

**LOCATION:** Ashburn, VA

**ACREAGE:** 17.15

**BUILDING SIZE:** 348,000 SF

**NEAREST AIRPORT:** Dulles International Airport

**UTILITY POWER:** 34.5 kV

**PARKING:** 153 spaces

**NUMBER OF STORIES:** One, plus penthouse

**LOADING DOCKS:** Three dock bays

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

**CCTV:** Yes (minimum 95-day video retention)

Communications

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

**CONDUITS:** Dedicated conduits to each computer room

**MULTIPLE CARRIERS:** DFT is carrier-neutral

**MEET-ME-ROOM:** Available

Systems

**UPS SYSTEMS:** Thirty-two 1,300 kW rotary UPS in isolated-parallel configuration. 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, each phase. 500,000 gallons chilled water storage, each phase

**PDUs:** Voltage: 208/120 V. Redundancy: N+1, with optional 2N

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

Connectivity

- Amazon Web Services
- BT
- Century Link
- Cogent Communications
- FiberLight
- GTT
- Intellifiber
- Internap
- Level 3 Communications
- Net Data Centers
- Sidera Networks
- Verizon
- Verizon Business
- XO
- Zayo Group