

# Data Center Specifications: ACC5



## Building



**LOCATION:** Ashburn, VA

**ACREAGE:** 17.15

**BUILDING SIZE:** 360,000 SF

**NEAREST AIRPORT:** Dulles International Airport

**UTILITY POWER:** 34.5 kV

**PARKING:** 153 spaces

**NUMBER OF STORIES:** engine-generator mezzanine with customer offices

**LOADING DOCKS:** Four dock bays

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

In ACC5, your business can find a high-density solution with a variety of room sizes powered by 300 kilovolt amps Power Distribution Units (PDUs) drawing on capacity of 36.4 megawatts of building critical power. All of this translates into a LEED Gold and Open IX Certified data center ready to meet your needs today and accommodate your growth. You'll be among good company here: ACC5 is home to some of the world's most demanding Fortune 500 enterprises and tech industry leaders.



## Computer Room Specifications

**SIZE:** 11,000 SF (average) for 2,275 kW rooms; 2,700 SF (average) for 568 kW rooms

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

**CRITICAL POWER:** 36.4 MW



## Data Center Area Description

**COMPUTER ROOM FLOOR:** 176,200 SF

**NUMBER OF COMPUTER ROOMS:** 29

**RAISED-FLOOR HEIGHT:** 42", under raised-floor plenums

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

**OFFICES:** 11 pre-constructed offices

**STAGING:** Six rooms



## 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 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

**PDU:** 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
- AT&T
- Century Link
- Cogent Communications
- FiberLight
- Intellifiber
- Internap
- Level 3 Communications
- Lumos Networks
- Net Data Centers
- NTT Communications
- Packet Exchange
- Sidera Networks
- Summit IG
- T Systems
- TeliaSonera
- Verizon
- Verizon Business
- Xfinity
- XO
- Zayo