

# Charlotte Data Center (CLT-1)

## Data Center Specifications

### Building

Campus	21.25 acres
Square Footage	165,800 sq. ft. total building; 120,000 sq. ft. total data hall
Building Construction	Concrete slab-on-grade and structured steel
Structure Rating	Data Hall FM-120; Office FM-90 Risk Category IV building
Fire Detection	VESDA with dual interlock pre-action sprinkler system
Loading Dock	3 Dock Bays, 7 Drive-in Bays
Office Space	Dedicated space available and shared drop-in space
Storage Space	Available for rent
Access	24 x 7 x 365

### Security & Compliance

Monitoring	24x7x365 onsite security guards
Fencing	Perimeter and all entrance gates
Authentication	Three-factor required to enter data hall and WindChill
Cameras	Full-campus CCTV; off-site storage and monitoring
Certifications	SSAE16 and SOC2 Type II, HIPAA and PCI DSS 3.1 (in progress)

### Power & Cooling

Utility Power	Duke Energy; dedicated on-site substation, REC's available
Available Power	Initial build: 3MW; Full build: 20MW
UPS	2N or N+1 supported, concurrently maintainable
Generators	2N power block redundancy
Distribution	Redundant A+B distribution systems to each rack/WindChill
Power Metering	Revenue grade, real-time metering available to rack/WindChill
Power Density	Up to 50kW per rack
Cooling	N+1 redundant ambient air economizers with Adiabatic mode
PUE	1.15

### Network

Telco Duct Banks	Two diverse conduit entrances
Carrier Neutral	Multiple carrier providers
Carriers	CenturyLink/Lumen, Windstream, Comcast, Telia, AT&T, Charter, Cogent, Conterra, TDS/Continuum
Meet-Me-Rooms	Two diverse MMRs
Exchange Access	ATL and CLT Internet Exchanges