

Phoenix

CyrusOne Data Center
2335 South Ellis Street
Chandler, AZ 85286

The nation's largest data center campus sits on 85 acres slated to ultimately support nearly 2 million square feet of data center space in Chandler, Arizona. There is room for ten buildings on this campus, all built with leading-edge Massively Modular® Engineering, making this CyrusOne data center campus unique.

The Phoenix data center is well-suited for enterprise clients that require a robust data center infrastructure for mission-critical applications. This location is in an area considered one of the safest in the country: free from natural disasters including seismic activity, tornadoes and hurricanes.



Overview

- Planned to be the largest data center campus in the state – up to 1,000,000 sq ft campus/85-acre land purchase
- One of the most efficient in the country
- SSAE 18 (SOC I type II), PCI DSS (sec 9 & 12), HIPAA, ISO 27001, FISMA, TIA 942 Class 4)
- High Performance Computing (HPC) capable, supports 250 wpsf with the ability to support over 1,000 wpsf
- Highly efficient power and cooling
- Historically free of seismic activity, tornadoes, and hurricanes
- Carrier-neutral and part of CyrusOne Texas IX (Internet Exchange)
- 100% uptime service level agreement on power
- 24x7 staffed NOCC and remote hands support
- Dedicated cages and private suite options available

Power

- Can accommodate up to 90 MW of critical capacity (Campus)
- Multiple levels of redundancy available within same footprint (e.g. N, 2N)
- 110 KV onsite substation
- Dual underground power feeds to onsite substation
- Dual Input PDU's with Static Transfer Switches
- Scalable 2.25 MW Detroit Diesel dedicated generators pre-wired for additional capacity
- 6,000 gallon belly tank

Cooling

- 36-inch raised floor design
- Hybrid cooling system combining evaporative and chilled water technology
- Highly efficient multiple 500 ton Trane chillers with fast restart and adaptive controlled microprocessors
- Inverted roof design with no columns on the raised floor for efficient hot air removal

Connectivity

- Carrier-neutral and part of the CyrusOne Internet Exchange (IX)

Energy Efficiency

CyrusOne's Phoenix data center leverages efficiency measures never before utilized in this capacity, and offers powerful cost-reduction opportunities for the enterprises that colocate their data and servers here.

In addition, the data center itself is being designed for an average draw of 250 watts per square foot, with the ability to go up to 1,000 watts per square foot for customers with extremely dense specialized equipment. That means a data center built to suit newer gear that has a smaller footprint but higher power utilization.

Fire Detection and Suppression

- Very Early Smoke Detection Apparatus (VESDA) system; sampling air in parts per million coupled with a zonal dual-action interlocking dry-pipe pre-action system

Security

- Reinforced physical structure including concrete bollards, steel-lined walls for security, and bullet resistant glass
- Video surveillance and recording of the exterior and interior
- On-site security guards 24 hours a day, 365 days a year
- Man traps, revolving entrance doors; biometric and key card (color coded) security for rigid access control
- Cabinet and cage security options include individual locks biometric scanners
- Perimeter fence

Building and Energy Management Systems (BMS & EMS)

- Local and remote real-time monitoring of electrical and mechanical systems alert dedicated 24/7 year round facility management crewmembers

State of the Art Engineering

- Engineering is specifically designed to achieve optimal flexibility for even the largest-scale deployments and build-outs
- Suitable for high performance corporate environments

Location/Amenities

- This location is in an area considered one of the safest in the country: free from natural disasters including seismic activity, tornados and hurricanes
- State-of-the-art offices, fitness center, staging room and hoteling space

Certification/ Audit Compliance Accreditations

Through disciplined assessment and audit processes, CyrusOne has implemented comprehensive practices for:

- ISO/IEC 27001
- PCI DSS
- HIPAA/HITECH
- FISMA-High
- SSAE 18 (SOC 1 Type II), Type 2 AT 101/SOC 2
- Business Continuity and Disaster Recovery (BCDR)

Site Plan

