

CyrusOne Data Center

Phoenix Data Center

2335 South Ellis Street | Chandler, AZ 85286

85-acre campus with room for 10 buildings

The nation's largest data center campus sits on 57 acres slated to ultimately support nearly 1 million square feet of data center space in Chandler, Arizona. There is room for eight buildings on this campus, all built with leading-edge Massively Modular[®] Engineering, making this CyrusOne data center campus unique.

Convenient Location

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, tornados and hurricanes.

Energy Efficient Power & Cooling

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

CyrusOne is designing the data center 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 latest servers that has a smaller footprint but higher power utilization.

Massively Modular[®] Engineering

CyrusOne's Massively Modular data centers engineering is specifically designed to achieve optimal flexibility for even the largest-scale deployments and build-outs. CyrusOne data centers are suitable for high performance corporate environments.

CyrusOne can build out new data halls in just 12-16 weeks through aggressive sourcing and a just-in-time focus to meet customer demand. The Massively Modular model frees customers from being confined by time, space or flexibility constraints.



Chandler 1

General

- 180,000-square-foot data center.
- SOC 1 type 2, SOC 2 type 2, PCI DSS (section 9 and 12), HIPAA, ISO.
- 27001, FISMA, built to TIA 942 Class 4 specifications.
- High-performance computing (HPC) capable; supports 250 watts per square foot, with the ability to support over 1,000 watts per square foot.
- Historically free of seismic activity, tornados and hurricanes.
- Carrier-neutral and part of the CyrusOne National Internet Exchange (IX).
- 100% uptime service-level agreements on power.
- 24/7 year-round staffed network operations center and remote hands support.
- Dedicated cages and private suite options available.

Power

- Can accommodate up to 18 MW of critical capacity.
- Multiple levels of redundancy available within the same footprint (N, 2N).
- 160 MW on-site substation.
- Dual underground power feeds to on-site substation.
- Dual-input power-distribution units (PDUs) with static transfer switches.
- Scalable to six 2.25MW Detroit Diesel dedicated generators pre-wired for additional capacity.
- 5,000-gallon diesel fuel belly tanks.

Chandler II

General

- 105,000-square-foot data center.
- SOC 1 type 2, SOC 2 type 2, PCI DSS (section 9 and 12), HIPAA, ISO.
- 27001, FISMA, built to TIA 942 Class 4 specifications.
- HPC capable; supports 250 W per square foot with the ability to support over 1,000 W per square foot.
- Historically free of seismic activity, tornados and hurricanes.
- Carrier-neutral and part of the CyrusOne National IX.
- 100% uptime service-level agreements on power.
- 24/7 year-round staffed network operations center and remote hands support.
- Dedicated cages and private suite options available.

Power

- Can accommodate up to 36 MW of critical capacity.
- Multiple levels of redundancy available within the same footprint (N, 2N).
- S/B 160 MW on-site substation.
- Dual underground power feeds to on-site substation.
- Dual input PDUs with static transfer switches.
- Scalable to four 2.25MW Detroit Diesel dedicated generators pre-wired for additional capacity.
- 6,800 gallon diesel fuel belly tanks.

Both Data Centers

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.



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 24/7 year-round.
- Man traps, revolving entrance doors, and biometric and keycard (color-coded) security for rigid access control.
- Cabinet and cage-security options include individual locks and biometric scanners.
- Ameristar Impasse II perimeter fence.

Fire Protection

- Very early smoke detection apparatus (VESDA) system samples air in parts per million, coupled with a zonal dual-action interlocking dry-pipe pre-action system.

- SOC 1 type 2 and SOC 2 type 2
- PCI DSS- Payment Card Industry Data Security Standard
- HIPAA- Health Insurance Portability and Accountability Act

- ISO- Information Security Management Standard
- FISMA- The Federal Information Security Management Act
- Built to TIA 942 Class 4 specifications