



Facility Summary

- 325,000 SQ FT data center
- 165,000 SQ FT total raised white floor
- 43,000 SQ FT dedicated customer offices

Purpose-Built Data Center

- Located on the Data Ranch 43.5-acre property
- Wholesale and retail colocation
- Carrier-neutral with 17+ providers
- HPC (High Performance Computing) capable
- SSAE 16 Type II-accredited
- 24x7x365 staffed NOC and remote hands support
- Two 400 MW capacity dually-fed electrical substations
- End-to-end underground power feed
- Blended internet options available
- 2,750 tons chiller capacity
- 40,000 gallons of onsite fuel storage

Hard-Walled Private Data Suites

- Starting at 2,500 SQ FT
- Ideal for HPC (High Performance Computing) environments, allowing 50 kW per cabinet
- Customizable access options from biometric scanners to separate, secured entrances
- Customizable power & cooling options

Colocation Services

- Secure data cages with custom layout options
- Full and half cabinets available
- Customizable access options from biometric scanners to iP security cameras
- 24x7x365 on-site staffed NOC and remote hands support

Power

UTILITY

- 2500 kVA dual input utility transformers
- 3000 amp distribution buses, including 480 Volt parallel closed-transition switching & SPD

UPS

- Multiple 750 kVa Toshiba modules
- N+1 to 2N redundancy available

PDU

- 500 kVA “A” and “B” PDUs
- 600 amp static transfer switches

GENERATORS

- Multiple 2.25 MW N+1 Cummins diesel generators
- Generators inside building shell, fully enclosed in dedicated individual bays

GROUNDING

- Zoned, fully grounded
- Lightning protection system

Disaster Recovery

- Dedicated customer offices
- Dedicated conference rooms
- Customizable and scalable options

Fire Protection

3-layer plan for fire prevention and suppression

- Full HSSD sensors
- FE36 handheld extinguishers
- Dual interlock, dry-pipe, pre-action sprinkler system

Cooling

SYSTEM

- Full concurrently maintainable design throughout
- Dual-independent water utility feeds, 48-inch main 12-ft underground and 18-inch main 4-ft underground
- Highly efficient chilled water cooling system

CRAH

- 28,000 CFM chilled water CRAHs (Computer Room Air Handlers) in N+3 configuration
- Supports high air Delta-Ts for blade server environments

CHILLERS

- 550 ton VFD York chillers with fast restart
- N+1 redundancy

CHILLED WATER CABINETS

- Available in private data suites
- Supports up to 50 kW per cabinet

Security

EXTERNAL

- 24x7x365 manned security at gated entry, data center entrances and loading docks
- Man traps and biometric access control
- Security cameras with digital video recording and storage

INTERNAL

- Escorted access
- Color camera digital surveillance system
- Man traps at all external door
- Digital video recording upon every door opening
- Cabinet and cage security options include individual locks and biometric scanners

Energy Efficient Features

- Variable speed motors on chillers, chilled water, and air handlers yield continuous optimized power consumption
- Efficient UPS with Eco Mode on all modules
- CRAHs utilize EC plug fan modules (no belts) and VFD (Variable Frequency Drive)
- Highly efficient transformers
- Higher chilled water temperatures for more efficient chiller operation
- Adiabatic humidification for free cooling while humidifying

