

Data Center Layer

Reliable, Proven IT Infrastructure

We have operated our own 4,000 square foot data center, centrally located in downtown Denver, Colorado since 2007. Our data center features all the typical bells and whistles you would expect to find in a reliable, robust environment designed for 24x7 continuous operation.

Critical Power

Located on Denver's Central Business District utility grid, our data center facility is powered by some of the cleanest and reliable power in the entire nation. Since moving in in 2007, we have had nearly 100% utility power uptime.

On those rare occasions when there is a problem with the utility power, we offer UPS backed power from distinct, disparate UPS systems. Our primary UPS is a Mitsubishi 375KVA, and for those customers who require 2N power, or "B" side power, we also have a smaller PowerWare 160KVA unit. Our UPS units delivered conditioned power to the entire data center facility and immediately provide uninterrupted power in the event of a utility power outage. Both UPS units have bypass wrap around transfer switches, which allow us to perform intrusive maintenance on the UPS units without any interruption to critical power.

Both A and B power is generator backed by individual 250KW gensets, which can power our data center for over 24 hours in the event of an extended utility outage. Routine maintenance is performed on both generators to ensure they will function when needed.

Precision Environmental Controls

Cooling and humidity are controlled by 7 Liebert CRAC units, featuring N+1 redundancy. Our CRAC units keep the operating environment in the data center at 72 degrees, at 40% humidity. To ensure that optimal cooling and air circulation is available at all times, air flow studies are conducted and an analysis with infrared heat sensing cameras is performed on a regular basis. We have local and remote environmental monitoring systems in place.

Security

Our data center facility is located within a building that has 24x7 onsite security. Outside of regular business hours, all individuals entering or exiting the building are required to present building credentials and sign in with onsite security staff. Our data center itself is staffed 24x7 and features independent video surveillance and access control systems to prevent unauthorized access to our secure data center rooms.

Fire Detection and Suppression

Fire detection within the data center is provided by an early detection alarm system monitored both within our office suite and by the building's 24x7 security staff. The data center has smoke detectors above and below floor. The fire suppression system is a pre-action, dry pipe which would discharge water only from the appropriate locations when the heat in the data center increases enough to trigger a fire sprinkler head.

Monitoring and Maintenance

All data center infrastructure is monitored via a centralized building monitoring system and routine visual inspections. Our infrastructure is also maintained at or above recommended maintenance intervals to proactively address any potential issues before they can become full blown problems.

