



Extend your reach to global markets by being colocated in an Equinix Internet Business Exchange™ (IBX®) center with direct access to more than 200 networks worldwide.

IBX® CENTERS

The Internet Business Exchange Center™ – Critical Hubs in the Core Infrastructure of the Internet

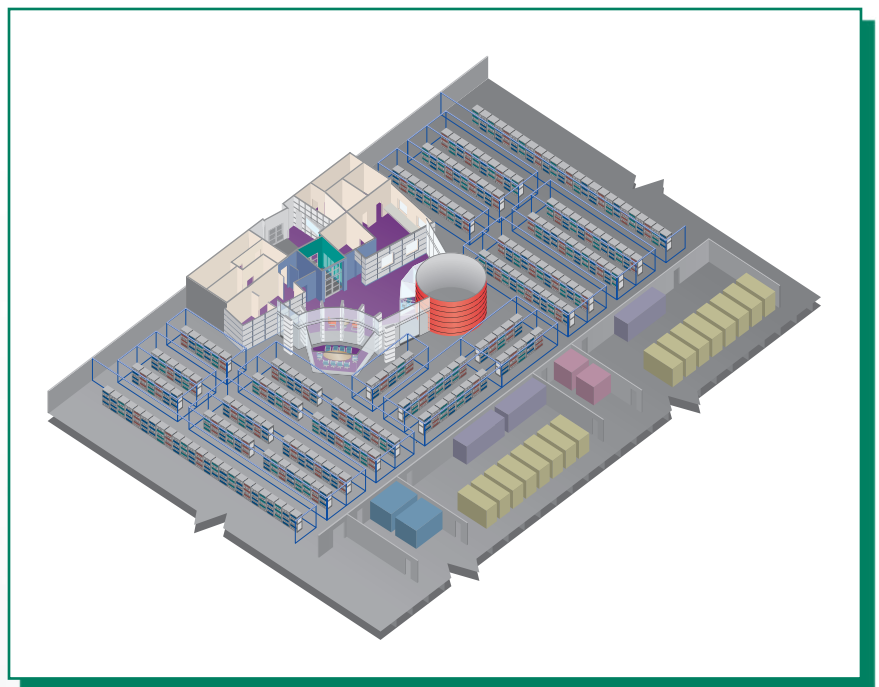
Equinix is the leading global provider of network-neutral data centers and Internet exchange services for enterprises, content companies and network services providers. Our Internet Business Exchange™ (IBX®) centers serve as core hubs for critical IP networks and Internet operations worldwide. With direct access to more than 200 networks, including all of the top global Tier 1 networks.

Equinix IBX centers lead the industry for physical security, power availability, infrastructure flexibility and customer support, exceeding the standards set by global Internet brands and leading enterprises. This means larger facilities, all the top networks, a robust power architecture, unrivaled security and more options than any traditional data center facility.

Better Performance in a State-of-the-art Facility for Mission-critical Operations

Every feature of an IBX center is designed to support and protect mission-critical Internet operations. A large Customer Care area provides the space to meet, access e-mail and the Web, and pre-assemble equipment prior to entering the main colocation area. A highly robust, patented data distribution system enables reliable, fast and scalable interconnections.

Multi-level physical security features and a rigidly controlled operating environment protect valuable customer assets and operations. In addition, qualified Equinix technicians are on-site 24 hours a day, 365 days a year, to perform routine and emergency maintenance/installation procedures.



EQUINIX – THE HOME OF THE INTERNET™

Data Center Services

Equinix provides premium data center services for secure and reliable colocation in the United States and Asia Pacific region. From small to large operations, Equinix helps our customers execute strategies quickly and flexibly.

Colocation

Locating servers and networking operations in IBX colocation areas provides the highest level of security and optimal operating conditions for equipment. All cabinet locations are engineered with direct access to a patented cable distribution system to allow a virtually infinite number of interconnections at any speed.

Cages

Private and shared caged areas are protected by biometric hand geometry readers and configured with overhead cable distribution systems, dual AC and DC power distribution raceways, and anonymous cabinets that can be individually locked if necessary.

Cage Configurations

- Cable management, if requested, can be installed to run cables between cabinets.
- Cage access histories and configurations are compiled and are available for audit.

Cabinets

Customers can choose from two standard Equinix cabinet offerings — 19” racks/cabinets (standard in private cages) or 23” cabinets (standard in shared cages). In addition, customers may use cabinets or racks of their own choosing- provided they meet Equinix engineering specifications. Half-cabinet space is also available (in 19” or 23” rackable options) for customers who have limited space and equipment needs but require the same high level of security.

Cabinet Locks

Fast cabinet access is always available because the standard cabinet locks are self-powered—the customer simply turns the dial to generate enough power to open the lock. Locks have a numbered keypad to restrict access to authorized users.

Patented Cable Distribution

To meet our customers’ strategic growth plans and their need to respond to fast-changing traffic demands, Equinix’s patented cabling infrastructure allows scalable and flexibly configured interconnections. This patented cable distribution system also effectively minimizes interference problems and maintains an orderly cable distribution structure. It permits rapid provisioning of bandwidth from our customers’ choice of participating providers.

Cross Connects

- Cross Connects are established quickly and easily with 24-hour turnaround from the time a ticket is opened.
- Choose from four types of cables to connect to the Equinix patch panel or for intra-cabinet wiring: Coax, CAT5, Single-Mode Fiber, Multi-Mode Fiber.
- Patented, overhead cable management system. Separate trays for fiber and copper based cable.

Switch

Powered by Foundry, the Equinix Exchange™ is an Ethernet-based switch fabric allowing customers to share routes at speeds ranging from 10/100 to 10GigE. Equinix promotes peering and open data exchange among its customers and is one of the fastest growing exchange points in the world.

- The Equinix Exchange provides three standard bundled options which includes: an AC (20 amp 120v) or DC (30 amp – 48v circuit, 1/2 Rack, Exchange port (FastE, GigE or 10GigE), and 2 Cross Connects.
- Equinix provides optional features associated with the Equinix Exchange offering customers an ability to secure various components of the bundled options.

Data Center Environment

Mission-critical Internet operations must have the highest standards of quality, security and reliability. Equinix is committed to supporting and protecting its customers' operations in every way we can.

Customer Care Area

Customers visiting the IBX center require a variety of support services. To allow efficient and speedy customer access and to accommodate the demands of lengthy system/software installations, customer care areas include:

- Individual workstations with telephone and Internet connections
- Anti-static equipment staging area
- Kitchen, relaxation area, video game room, shower facilities
- Shared conference rooms
- Secure loading docks to facilitate equipment delivery or shipping

Physical IBX Security

Equinix IBX centers deliver multi-level physical security because mission-critical Internet operations require the highest-level of security. All areas of the center are monitored and recorded using CCTV, and all access points are controlled.

- IBX is manned by onsite security on a 24x365 basis.
- No keys required: all doors, including cages, are secured with biometric hand geometry readers.
- IBX exteriors are fully anonymous and have no windows.
- CCTV digital camera coverage of entire center, including cages, with archival system.
- All exterior walls are bullet resistant.
- Perimeter bounded by concrete bollards/planters.
- Silent alarm and automatic notification of appropriate law enforcement officials protect all exterior entrances.
- CCTV integrated with access control and alarm system.
- Motion-detection for lighting and CCTV coverage.
- All equipment checked upon arrival.
- Shipping and receiving area walled off from colocation areas.

Hand Geometry Readers

Every IBX utilizes biometric hand geometry readers (manufactured by Recognition Systems) with a required pass code for access to specific areas. In most centers, a customer will be required to use a geometry reader to:

- Enter the "man trap" from the welcome area. The main center can only be entered through this "man trap".
- Leave the "man trap" and enter the main center.
- Enter the colocation area.
- Enter a shared or private cage.

CCTV Digital Recorders

All aspects of the center are monitored and recorded via color, hi-resolution digital video cameras. This data is archived to disk.

Security Procedures

Every IBX center is staffed with 24-hour security officers to augment physical security features, providing financial-grade protection of your mission-critical Internet operations. Visitors are screened upon entry to verify their identity, and in shared situations, are escorted to their appropriate locations. Access history is recorded for audit by customers, as needed.

Picture I.D. Verification

To enter a center, a customer must present a valid picture I.D. Equinix will accept only pictured, government-issued forms of identification.

EQUINIX – THE HOME OF THE INTERNET™

Physical Structure

All elements of the structure – building shell, exterior, floors and roof – meet or surpass local building codes and standards.

- Building shell: location-dependent seismic compliance
- Exterior: fully anonymous, no signage outside. Exterior walls tightly sealed
- Floor: no post tension or pre-stressed slabs
- Roof: roof platform for antennae and dish equipment, less than two degrees deflection

Building Specifications

To provide further protection of customer assets, Equinix IBX centers are built to effectively manage and withstand fire, flood, and earthquake.

- Fire Suppression: Equinix IBX Centers are protected with a dual-alarmed, dual-interlock multi-zoned, dry-pipe, water-based fire suppression system armed with sensory mechanisms (HSSD) to sample the air and give alarms prior to pressurization. Production area fire suppression is provided by a multi-zoned, pre-action, dry-pipe system. In order for the system to trip, multiple cross-linked events must occur. These include detection by ceiling mounted smoke-heads and smoke “sniffers” located throughout the facility. Lastly a sprinkler head must trip in order for the dry-pipe system to activate. This requires a temperature of 140 degrees F at the head location. Fire suppression is localized at the event point only.”
- Flood Control: Built above sea-level. No basements. Tightly sealed conduits, moisture barriers on exterior walls. Dedicated pump rooms; drainage/evacuation systems; moisture detection sensors.
- Earthquake: Location-specific seismic compliance. Structural systems meet or exceed seismic design requirements of local building codes for lateral seismic design forces. In addition, equipment and nonstructural components, including cabinets, are anchored and braced in accordance with the requirements of the 1997 Uniform Building Code.

Environmental Controls

To provide optimum conditions for equipment operation and minimize downtime due to equipment failure, the HVAC system provides appropriate airflow, temperature and humidity. Redundancy features provide additional protection for customer operations.

Power Systems with Distributed Redundancy

Highly reliable power is imperative for critical customer operations. The entire electrical system has built-in redundancy to guarantee continuous operation. The overall system is N+1 redundant, including each component within the parallel electrical systems.

- AC and DC raceways with 2N distribution
- AC power delivery via distributed redundant UPS systems
- Batteries with at least 7 minutes full load operation (diesel engine generators take roughly 8 seconds to synchronize and assume load); 48 hours worth of generator fuel; contracts with multiple fuel providers.
- Isolation K factor transformers used for 480 volt UPS to 208/120 volt. K factor of K20; 80 degrees Centigrade rise; copper winding, dc system fuse protection; -48 volt delivery via fuse panels.

Customer Power

Power systems are designed to meet customers’ diverse needs. Every AC circuit installed receives a 10-outlet, 20 amp-rated power strip with an internal circuit breaker. Redundant power configurations can be purchased and will be fed from diverse sources, particularly when customers utilize dual-corded equipment. IBX AC power systems are capable of delivering both 120v AC and 208v AC power in a variety of amperage configurations.

DC power will be delivered in a -48 volt configuration. Again, redundant DC power circuits can be powered by diverse feeds, A & B. All DC power feeds must be terminated on a DC distribution panel, which can be purchased from Equinix or supplied by customers. Upon request, DC power can be delivered in a variety of amperage configurations.