Data Sheet

Beijing-Tianjin Market

Chayora 朝 亞

Empower Your Edge
Data Center Services Provided By Chayora

EdgeConneX Beijing – Tianjin Data Center

Now in the world's fastest-growing data center market, EdgeConneX is offering edge capacity to serve the tri-province area including Beijing, Tianjin, and Heibei provinces, home to 150 million people. Working with Chayora, our partner in China, EdgeConneX is able to facilitate connectivity between Chinese businesses and service providers and the wider global digital economy. Our first Tianjin data center is planned to grow into a campus of facilities with up to 100MW of power available for cloud, content, and network providers.

EdgeConneX Data Centers in Asia-Pacific markets will offer carrier-neutral network connectivity for Cloud, Content, Network and IT providers to deploy their infrastructure in close proximity to their customers in the region, ensuring optimal performance, security, availability and economics for their services.

At EdgeConneX, we work with our customers throughout the full life-cycle, to deliver capacity, connectivity, and visibility, wherever and whenever they need it. Our creative approach facilitates innovative distribution models that support your needs at the Edge of the Network.

This is just one reason the world's leading and most influential ILEC, Cloud, Content, Network, Wireless, and Enterprise companies trust EdgeConneX to deliver their services, data, and networking.

BENEFITS

Our first data center solutions in the Asia-Pacific region

Services offered in partnership with Chayora

Beijing - Tianjin facility open with expansion plans underway

Carrier-neutral data center solutions

EdgeConneX Benefits

Distributed Infrastructure

EdgeConneX is developing and operating more than 50 data centers in over 40 markets around the globe, ranging from Hyperlocal to Hyperscale facilities, with network diversity to help businesses build the edge they need.

Flexibility

EdgeConneX can offer a rack density of 20kW+. Providing the ability to move power commits around from facility to facility – portable kW. Client driven deployment options to ensure your unique needs are met.

Connectivity

The Beijing-Tianjin data centers will are network-neutral facilities offering connectivity and interconnections to multiple network providers.

Cooling

Robust and redundant power and cooling to support virtually any application, where temperature and humidity is monitored, controlled and managed to industry standards.

Customer Experience

We aim to deliver a premium customer experience and proximate data center solutions, allowing you to deliver a premium experience to your own customers.

Capability

Purpose-built facilities with superior operating reliability, high-density power, and carrier-neutral support to satisfy any customers challenges and demands.

Technical Specifications & Configuration

Space

- Three story building – 38,258 m^2 total
  - Phase 1 - 15,586 m^2
  - Phase 2 - 22,672 m^2
- **Phase 1:** 2 x 1,000 m^2 data halls (500 52U racks per hall) on stream
- **Phase 2:** 2,000 racks available in an additional 4 x 1,000 m^2 technical white- space data halls
- Office areas total gross 4,250 m^2 to be reserved in Phase 1

Network

- Carrier neutral, connectivity options with major carriers
- Connectivity options to multiple cloud platforms
- Diverse fiber entry to campus and buildings
- Redundant carrier rooms, and redundant meet-me rooms (MMR) per floor
- Fully redundant in-house wiring
- <1.5ms round trip delay to Beijing CBD (route dependent)

Sustainability

- Chayora works directly with energy administration department of National Development and Reform Committee (NDRC) to fully support access to 100% renewable energy supply

Standards & Certifications

- IDC & ISP licenses
- Tier III Uptime Certification
- ISO 9001:2008, ISO 27001, ISO 22301

Power

- Distributed redundant N+1 or 2N primary power
- DR N+1 / 2N UPS - 15 Minute full load battery back up
- N+1 generators - 24-hour full load on-site fuel capacity with 2 fuel supply contracts
- 4 x 10 kV Power from different sub-stations
- Power monitoring at the individual rack level

Cooling

- Dual chilled water risers and dual ring distribution on respective floors with Isolation valves at all components
- 2N power feed for cooling equipment such as chillers, pump, AHUs, CRAH
- UPS power to control system of the cooling infrastructure, ensuring uninterrupted control at all time
- 15 min thermal storage for uninterrupted cooling capability
- Temperature monitoring at individual rack level
- IT load average 8KW/rack, max up to 15KW
- Best in class energy efficiency – PUE < 1.2

Security

- 24/7 onsite security and operation services § 9-layer of security – including access cards, biometrics, man-traps, X-ray machine, metal detectors
- Floor loading 12kN/m2
- Cargo lifts between floors
- 4 loading docks, 2 staging rooms for direct delivery to Data Halls

Fire Suppression

- VESDA, pre action sprinklers and/or Inert gas fire suppression system for data halls
- Distributed fire alarm controls equipment to avoid single point of failure
- Direct alarm link to local fire station within 200m on adjacent site
- Addressable analogue fire alarm system compromising fire indicator panel (FIP), mimic panels, heat detection and MASDs systems
- Leak detection systems in all critical rooms and data halls
- Emergency warning systems throughout

Edge OS

- EdgeOS, our next generation data center operating system and DCIM provides real-time visibility, including ticketing and SLA management for all EDC locations

Additional Services

- Remote hands service
- HQ company registered on-site entitled to significant tax concessions & incentives