



CAN1 GUANGZHOU

Data Sheet

Your success is our mission, and reliability is our game.

Critical Power * _____

6 MW

* Critical Power is subject to change

Total area _____

7,525 sqm

BDx's global portfolio of highly secured and resilient carrier neutral data centres provides customizable co-location services where customers deploy their mission-critical IT infrastructure in environments specially designed to deliver redundant uninterruptible power supply, precision air conditioning and environmental controls, fire protection and security, monitored by 24x7 Global Data Centre Operations team.

Situated in Guangzhou, CAN1 Data Centre is amongst the top data centres that serves customers from different segments like OTT, financial, professional services, enterprises, telecommunications and government.

Building Lifts

1 Cargo lift (5,500 kg)

Floor Specs

6,200 mm (1st floor),

4,200 mm (2nd floor)

800 mm raised floor height

20 kN/m² floor loading

Earthing and lightning protection systems installed

456 lux lighting meeting AS1680.22 standard

Facility Specs

Address

- No. 20, Doutang Road, Huangpu District, Guangzhou 511356
- Launched in August 2017 — Freestanding data centre in Yonghe Development Zone where over 51% of area is covered in greenery and potential threats from commercial, industrial and political hazards are very low

Power

- Dual power lead-in, 2 x 4MVA utility supply
- Generators are in N+1 redundancy with (3+1) * 2MW
- Total UPS capacity is 4050 KVA (5 x 810 KVA) in N+1 mode redundancy
- 15 minutes battery autonomy at full load
- 15,000 liters fuel capacity; equivalent to 12 hours run-time at full load
- Dual power source to each rack with no single point of failure

Cooling

- High efficiency chillers, cooling towers and chilled water pumps in N + 1 redundancy
- Computer room air conditioning (CRAC) units in N+1 redundancy
- Dual risers with loop system for CRAC units
- Up to 1.5 kW/m² cooling density

Operating environment:

- 19°-25°C temperature
- 50% + 20% relative humidity

Fire Detection & Suppression

- 24/7 decentralized monitoring of M&E plant room and redundant systems
- Very Early Smoke Detection Apparatus and hygro sensors
- Sub-raised floor water detection system installed around CRAC units and along perimeter of room
- FM200 fire suppression
- Doors and partitions minimally 2-hour fire-rated
- Fully implemented fire emergency evacuation plan

Security

- Security of racks, cages, and private room with secured locking mechanisms
- External perimeter fence with 24/7 CCTV monitoring and guard patrols
- Footage stored for 30 days
- Double interlocked mantraps to data hall
- Two-factor authentication (Biometric and Card) at all key entry/exit points
- Pre-authorized visitors only whose logs kept for 1 year

Interconnection

- Meet-me-rooms integrated across operating footprint with access to multiple connected carriers
- Multiple redundant and diverse carrier networks for local access
- 2 physically diverse MDF rooms with separate manholes and lead-in pipes
- 2 physically diverse meet-me-rooms

Carriers:

China Telecom, China Unicom, China Mobile, Guangzhou Anju Communication, Logicom Tech, Guangzhou Yingtong Broadband Network, Guangzhou Yunju Info, Guangzhou Shunhang Info, Nova Tech, HGC-IBEO