



CAN1 GUANGZHOU

Data Sheet

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

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.

Certifications

ISO 27001

Total area

81,000ft²

Building Lifts

1 Cargo lift (5,500 kg)

1,200 Colocation Rack Capacity

6,200 mm (1st floor),

4,200 mm (2nd & 3rd floor)

800 mm raised floor height

20 kN/m² floor loading

1.7 Design Power Usage Effectiveness

Earthing and lightning protection systems installed

456 lux lighting meeting AS1680.22 standard

Location

Multiple access routes to data centre

Guangzhou-Shantou Highway, Guangzhou-Shenzhen-Zhuhai Highway, Guangzhou-Huizhou Highway

Easy access from Guangzhou Urban area / CBD (by bus 341, 506a, 942)

Within 7 km from the nearest metro (launched in 2017)

32 km (or 45 mins) from Guangzhou East Railway Station

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

Nearest landmarks

47 km (or 55 mins) from Canton Baiyun International Airport

116 km (or 90 mins) from Shenzhen Futian Port

Within 1.2 km from hotels (eg Weldon Hotel)

2.7 km from nearest fire station

2.5 km from nearest police station

All critical infrastructure and customer impacting infrastructure located on raised floor beds.

Infrastructure

Mechanical Infrastructure

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

Electrical Infrastructure

Dual power lead-in, 8 MVA utility supply

4 x 2000 kVA transformers in N redundancy

Total UPS capacity of 9300 kVA (7 x 1200 kVA and 1 x 900 kVA) in N+1 and 2N redundancy

15 minutes battery autonomy at full load

2.25 MVA diesel generator in N redundancy

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

Standard offering of 4.5 kVA per rack

2 x 32A power sockets per rack

Communication Infrastructure

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, Hutchison Global Communications

System

Security System

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

Fire Protection System

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

