



HKG1 CAVENDISH

Data Sheet

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

Certifications

**ISO 27001
TVRA
PCI/DSS**

Critical Power *

5.7 MW

* Critical Power is subject to change

Gross White Space

3,066 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 at Cavendish, HKG1 Data Centre is amongst the top data centres in Hong Kong that serves customers from different segments like OTT, financial, professional services, enterprises, telecommunications and government.

Building Lifts

1 Cargo lifts (2,500 kg), 2 Passenger lift (2,000 lbs)

Floor Specs

4,100 mm floor to ceiling height (Slab to Slab)

600 mm raised floor height

14.36 kN/m2 floor loading

**Earthing and lightning protection systems installed
500 lux lighting meeting AS1680.22 standard**

Facility Specs

Address

- LG1/F – LG7/F, Cavendish Centre, 23 Yip Kan Street, Wong Chuk Hang, Hong Kong
- Launched in 2009 – convert from industrial building to data center

Power

- 20 MVA utility supply
- Dual power source to each rack with no single point of failure
- 2N distributed UPS (12,400 kVA)
- 52,400 liters fuel capacity; equivalent to 30 hours runtime at full load. (Fuel refill within 4 hours of activation)
- 10 minutes battery autonomy
- 2N diesel generator redundancy
- 2 x 32A ceeform power sockets per rack

Cooling

- High efficiency water-cooled chillers with N + 1 redundancy
- Thermal storage tanks for uninterruptible cooling
- Dual and diverse chilled water risers
- Up to 1.5 kW/m² cooling density

Operating environment:

- 18°-27°C temperature
- 50% + 20% relative humidity
- N + 1 CRACs
- Racks deployed in 8-tile hot or cold aisle

Fire Detection & Suppression

- 24/7 decentralized monitoring of M&E plant room and redundant systems
- Gaseous suppression
- Very Early Smoke Detection Apparatus (VESDA)
- Sub-raised floor water detection system installed around CRAC units and along perimeter of room
- FM200 fire suppression
- Doors and partitions minimally 2-hour rated

Security

- Security of racks, cages and private room with secured locking mechanisms
- 24/7 CCTV monitoring and guard patrols
- Footage stored for 90 days
- 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

- MMRs integrated across operating footprint with access to multiple connected carriers
- Multiple redundant and diverse carrier networks for local access
- 2 physically diverse MMRs with separate manholes and lead-in pipes
- 2 physically diverse meet-me-rooms
- 1-tier overhead cable ladder and 1-tier fiber runner in data hall

Carriers:

- HGC, HKBN/WTT, PCCW