

BDx

HKG2 WATSON CENTRE

Data Sheet



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

Certifications

**TIA/EIA 942
ISO 27001
PCI/DSS
TVRA**

Critical Power *

5 MW

* Critical Power is subject to change

Gross White Space

40,500ft²

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 Watson Centre, HKG2 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

4 Cargo lifts (2,000 lbs), 2 Passenger lift (1000lbs)

Floor Specs

4,000 mm floor to ceiling height (Phase1)

5,600 mm floor to ceiling height (Phase 2)

600 mm raised floor height

16 kN/m2 floor loading

Earthing and lightning protection systems installed

500 lux lighting meeting AS1680.22 standard

Facility Specs

Address

- 6-22 Kung Yip Street, Kwai Chung, New Territories, Hong Kong
- Launched in 2015 — Convert from industrial building

Power

- 10 MVA utility supply
- Dual power source to each rack with no single point of failure
- 2N distributed UPS (4,800 kVA)
- 20,200 liters fuel capacity; equivalent to 10 hours runtime at full load. (Fuel refill within 4 hours of activation)
- 10 minutes battery autonomy
- N+1 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:

- 19°-25°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 and dry-pipe pre-action sprinklers
- 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
- External perimeter fence with 24/7 CCTV monitoring and guard patrols
- Footage stored for 30 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

- 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
- 1-tier overhead cable ladder and 1-tier fiber runner in data hall

Carriers:

HGC, HKBN/WTT, PCCWYingtong Broadband Network, Guangzhou Yunju Info, Guangzhou Shunhang Info, Nova Tech, HGC-IBEO