

# 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 \*

**4 MW**

\* Critical Power is subject to change

## Gross White Space

**3,763 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 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

2 Cargo lifts (2,000 kg), 2 Passenger lifts (2,000 kg),  
2 Passenger lifts (1,000 kg)

## 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/m<sup>2</sup> 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