



SIN1 PAYA LEBAR

Data Sheet

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

Certifications

**ISO 27001
Uptime Institute
Tier III
PCI/DSS
TVRA**

Critical Power *

9.6 MW

* Critical Power is subject to change

Gross White Space

45,000 ft²

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 Paya Lebar, SIN1 Data Centre is amongst the top data centres in Singapore that serves customers from different segments like OTT, financial, professional services, enterprises, telecommunications and government.

Building Lifts

2 Cargo lifts (5,500 lbs), 1 Passenger lift (2,200 lbs)

Floor Specs

4,200 mm floor to ceiling height,

800 mm raised floor height

10 kN/m² floor loading

Earthing and lightning protection systems installed

500 lux lighting meeting AS1680.22 standard



Facility Specs

<div>Address<ul style="list-style-type: none">110 Paya Lebar, Singapore 409009Adjacent to data centre cluster along Tai Seng AvenueLaunched in 2014 — Freestanding data centre in a secure compound</div>
<div>Power<ul style="list-style-type: none">7.6 MW critical power supplyDual power source to each rack with no single point of failureN + 1 distributed UPS (7,500 kVA)50,000 liters fuel capacity; equivalent to 24 hours runtime at full load. (Fuel refill within 4 hours of activation)10 minutes battery autonomyN + 1 diesel generator redundancy2 x 32A ceeform power sockets per rack</div>
<div>Cooling<ul style="list-style-type: none">High efficiency water-cooled chillers with N + 1 redundancyThermal storage tanks for uninterruptible coolingDual and diverse chilled water risersUp to 1.5 kW/m2 cooling density<div>Operating environment:<ul style="list-style-type: none">- 19°-27°C temperature- 30% – 70% relative humidityN + 20% CRACsRacks deployed in 8-tile hot or cold aisle</div></div>
<div>Fire Detection & Suppression<ul style="list-style-type: none">24/7 decentralized monitoring of M&E plant room and redundant systemsGaseous suppression and dry-pipe pre-action sprinklersVery Early Smoke Detection Apparatus (VESDA)Sub-raised floor water detection system installed around CRAC units and along perimeter of roomFM200 or Novec1230 fire suppressionDoors and partitions minimally 2-hour rated</div>
<div>Security<ul style="list-style-type: none">Security of racks, cages and private room with secured locking mechanismsExternal perimeter fence with 24/7 CCTV monitoring and guard patrolsFootage stored for 90 daysMantraps to data hallTwo-factor authentication (Biometric and Card) at all key entry/exit pointsPre-authorized visitors only whose logs kept for 1 year</div>
<div>Interconnection<ul style="list-style-type: none">Meet-me-rooms integrated across operating footprint with access to multiple connected carriersDirect access to major domestic exchanges and Points of Presence (PoPs) within SingaporeMultiple redundant and diverse carrier networks for local access3 physically diverse MDF rooms with separate manholes and lead-in pipes3 physically diverse meet-me-rooms1-tier overhead cable ladder and 1-tier fiber runner in data hall<div>Carriers:<p>Telstra, Singtel, Starhub, Netlink Trust, ViewQwest, M1, Superloop, SP Telecom, Colt, AT&T, HGC, Cogent, Nucleus Connect</p></div></div>