



NKG1 NANJING

Data Sheet

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

Certifications

**Uptime Institute
Tier III
CQC-A CLASS**

Gross White Space

12,500 m²

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 Nanjing, NKG1 Data Centre is amongst the top data centres in Nanjing that serves customers from different segments like OTT, financial, professional services, enterprises, telecommunications and government.

Building Lifts

1 Cargo lifts (2000 Kg), 1 Passenger lift (2000Kg)

1,000 colocation rack capacity

10 kN/m² floor loading

1.53 Design Power Usage Effectiveness

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



Location

Multiple access routes to data centre

100 m to the nearest major road(s)
2 km to Metro station of Medical University

Address

No.99 Yuehua Road, Jiangning District,
Nanjing City, Jiangsu Province, China - 210000
Adjacent to Jiangning University Town
Launched in 2020 — Freestanding data centre in a secure compound

Nearest landmarks

13 km from South Nanjing Station
16 km from the city center
25 km from Lukou Airport

Infrastructure

Mechanical Infrastructure

High efficiency water-cooled chillers with N + 1 redundancy

Thermal storage tanks for uninterruptible cooling

Chilled water risers in loop

Operating environment:

19°-25°C temperature

50% ± 20% relative humidity

N + 2 CRAH

Racks deployed in 8-tile hot or cold aisle

Electrical Infrastructure

2 x 7.5MVA utility supply

Dual power source to each rack with no single point of failure

2N distributed UPS (2 x 4800 kVA)

Standard offering 4 kW per rack

150,000 liters fuel capacity; equivalent to 24 hours run-time at full load. (Fuel refill within 4 hours of activation)

15 minutes battery autonomy

N + 1 diesel generator redundancy

2 x 25A ceeform power sockets per rack

Communication Infrastructure

Meet-me-rooms integrated across operating footprint with access to multiple connected carriers

Direct access to major domestic exchanges and Points of Presence (PoPs) within Nanjing

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 Mobile, China Unicom

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 90 days

Mantraps to Data Hall

Two-factor authentication (Biometric and Card) at the data hall

Fire Protection System

24/7 decentralized monitoring of M&E plant room and redundant systems

Gaseous suppression and dry-pipe pre-action sprinklers

Very Early Smoke Detection Apparatus (VESDA)

Water detection system installed around CRAC units

IG541 fire suppression

