In partnership with CENTRIN DATA

Centrin Kunshan data center

192MW facility

Introduction

Centrin Kunshan data center focuses on providing quality data center and cloud computing services to finance, government, large enterprises and Internet leading enterprises in Shanghai financial center and Yangtze River Delta Economic Zone. The Kunshan facility has been awarded with Uptime Tier IV, Uptime M&O, ISO9001, ISO14001, ISO 20000, ISO 22301, ISO 27001, ISO 45001, GB 50174-A certification, and won the 2020 National Green Data Center & Carbon Neutral Innovator.

Green design

Recognized for its sustainability and winner of the National Green Data Center and Carbon Neutral Innovator award, the Kunshan facility was built and is operated reduce the carbon footprint. With an outstanding PUE of ≤1.3 the data center reduces the total cost of ownership for our customers.

Convenient location

Located in Huaqiao Economic and Technological Development Zone, Kunshan City, Jiangsu Province, which is only one step away from Shanghai.
Convenient transportation, close to the city expressway.
34 minutes to Shanghai Hongqiao Railway Station.
36 minutes to Shanghai Hongqiao Airport.

Advanced design

Centrin Kunshan Data Center is a mega data center campus in East China, covering an area of 165,744m^2, with a total land size of about 300,000m^2. The campus has built its own 220KV substation with 600MW power capacity and 192MW critical IT load with an annual average PUE≤1.3.

Find out more
Contact us now for more information about our data centers or to schedule a tour.
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Specifications at a glance

Facility features

Mega data center campus, covers an area of 165,744m^2

1x 5-story and 4x 6-story buildings.

Availability: 99.995%

Data hall features

Up to 32,000 standard racks

192MW critical IT load

Support rack density range of 4-25kW

The average load in the equipment room is greater than 1200 kg/m^2

Floor to floor height of 5.8m

Seismic grade

Seismic fortification intensity: 7 degrees

Seismic fortification category: B (key fortification)

Seismic grade of frame: level 1

Utility power and generators

Double power supply system

A dedicated 220KV substation, dual mains, 600MW

Diesel generator N+ 1 redundancy, self-start within 60 seconds, oil storage for 12 hours

IT power

N + N dual UPS/HVDC

>15 minutes backup time of a single battery

>30 minutes backup time of the dual battery

Cooling

Water cooling and natural cooling

Water cooled pipes N+1 redundancy, continuous cooling for 15 minutes

End precision air conditioner N+X (X≥20%N)

Redundant pipeline mode: Dual loop

Energy saving measures: HV variable speed centrifugal chiller, waste heat recovery, column air conditioning, building automatic control etc.

Connectivity

Multiple routing, 12 MMR per building

Provides access to multiple ISP providers

Telecom, unicom, mobile and other operators four route access

Supports bare fiber, BGP, SDH/MSTP, DDN, ATM, ISDN, and frame relay

Monitoring and security

Electronic fence perimeter system

Video surveillance system

Burglar alarm systems

Entrance security system

Anti trailing device

24/7 hours security guards

Two way access control and biometric identification system

Fire protection

IG541 or HFc-227ea gas fire extinguishing system

Aspirating smoke detectors and early fire detection system

Automatic fire alarm and linkage control system

Electrical fire monitoring system

Fire equipment power supply monitoring system

Fire door monitoring system

Grounding

Common grounding devices include protection grounding, working grounding, lightning protection grounding and information system grounding. The combined grounding resistance is≤1 Ω.

Other services

Customer office buildings, catering buildings and apartment buildings

Equipped with freight elevator, warehouse, parking lot