

HKG 10
Tseung Kwan O
33, Chun Choi Street, Hong Kong



HKG10 at a Glance

- Uptime Institute Tier III Design and Construction Certified
- Move-in ready solutions scalable from a few kilowatts to megawatts of power
- Carrier-neutral connectivity
- Over 18,000 m² of purpose built data center development over three phases
- Approximately 1,000 m² of dedicated data center space at 1,500W per square meter density across six Scale Suites
- Three floors with approximately 6,000 m² per floor
- Onsite office space
- High raised floor (800mm Finished Floor Height (FFH))
- Demonstrated five nines (99.999%) uptime
- Three dedicated air-cooled, chilled water systems per data suite, operating in N+1 configuration
- Power feeds providing 2N electrical infrastructure; each Scale data center is equipped with 1,440kW UPS power in 2N configuration
- Comprehensive facility security with the capability to meet ISO security classifications
- The property is jointly owned by Digital Realty and Centurylink

99.999% Uptime

For the 15th consecutive year, Digital Realty has achieved five-nines – or 99.999 per cent – availability for our customers. Digital Realty’s longstanding record of operational excellence continues, equating to more than 3.7 billion operational minutes throughout 2021.

Uptime metrics are based on a comprehensive evaluation of data center suites owned and operated by Digital Realty worldwide using standard industry methodology. Total operational minutes were prorated per year for each data center suite, beginning on the commissioning date, from the beginning of 2007 through 2021.

Technical Overview

33, Chun Choi Street

Cooling

- Total of eighteen (18) dedicated air-cooled, chilled water systems, three (3) per Scale operating in N+1 configuration
- High efficiency chiller systems provides dedicated cooling capacity for each data hall with an area of approximately 1,000 m²
- Designed in accordance with ASHRAE TC 9.9 2011 conditions with underfloor air supply

Power

- Two (2) 11 kV Medium Voltage power feeds from separate substations diversely routed to ground floor substations (2N)
- Total of 8,640kW of UPS power supply to Critical IT load in 2N configuration, 1,440kW per Scale Suite
- Twenty-four (24) 2MVA transformers operating in a 2N configuration

Secondary Power

- Total of eighteen (18) dedicated 2.25MVA power generators operating in N+1 configuration, three (3) per Scale Suite
- Underground fuel tank with enough capacity for 24 hours full load operation

Fire Protection

- Double interlock pre-action dry-pipe sprinkler system
- Overhead and under-floor smoke detection system

Connectivity

- Carrier-neutral access to Tier 1 providers
- Diverse and redundant fibre routes to the building
- Diverse and redundant POP (Point of Presence) rooms

Security

- Premises monitored by security camera 24 x 365 with digital recording and archiving
- Dual authentication access to the data center with Biometric Scan and Card Key access control
- Onsite security personnel 24 x 365
- Security systems complying with the requirements of ISO9001, ISO14001 and ISO27001



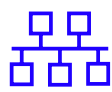
The Digital Realty Advantage

1. Global consistency across a variety of configurations ensures operational reliability and consistency
2. Expert remote hands services for on-demand assistance with hardware tasks
3. Physical and virtual interconnection products to enable local and international access to business partners, cloud and network service providers
4. Stringent security controls with extensive security infrastructure, including CCTV, biometric / card access, local SOC (Security Operation Control) personnel
5. Compliance and certifications to support industry and data protection requirements, including ISO, SOC and PCI
6. Flexible power density configurations to meet application requirements



Secure

Designed to ensure mission-critical data is always secure and available



Connected

Access the ecosystems that power your business through a simple and open platform



Scalable

Future-proof your deployment with significant capacity for your growing requirements



Flexible & Efficient

Manage your IT environment in real time, less time and operation costs on data center management

Space

- Cabinets from 42U to 52U
- Cages starting at 100 sq.ft.
- Private suites that are fully customizable

Power

- Distributed redundant N+1
- AC power with protected voltage
- Backup generators to support 100% uptime

Reliable Services

- Scheduled and on-demand services available
- Remote hands services at all sites
- 24 x 7 x 365 coverage
- Full Control over your infrastructure

Interconnection

A carrier-neutral variety of connection methods to meet local and cloud strategies:

- ServiceFabric™
- Cross Connect
- Metro Connect
- IP Bandwidth



About Digital Realty

Digital Realty brings companies and data together by delivering the full spectrum of data center, colocation and interconnection solutions. PlatformDIGITAL®, the company's global data center platform, provides customers with a secure data meeting place and a proven Pervasive Datacenter Architecture (PDx®) solution methodology for powering innovation and efficiently managing Data Gravity challenges. Digital Realty gives its customers access to the connected data communities that matter to them with a global data center footprint of 300+ facilities in 50+ metros across 28 countries on six continents.

To learn more about Digital Realty, please visit digitalrealty.com or follow us on [LinkedIn](#) and [Twitter](#).

For leasing information

For a tour of our facility, complimentary IT infrastructure consultation or sales information, email us at:

Contact.APAC@digitalrealty.com

Digital Realty

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