



MEGA Gateway

The Next Connectivity Hub

Hyperscale Data Centre
Future Proof Your IT Strategy



1 Ma Kok Street
Tsuen Wan, Hong Kong

MEGA Gateway at a Glance

MEGA Gateway is the state-of-the-art addition to SUNeVision MEGA Campus, positioned as the next connectivity hub **extended from MEGA-i**. This enables MEGA Gateway customers to interconnect with major cloud gateways and hundreds of global and local IT service providers in MEGA-i through SUNeVision's inter-data centre MEGA Connect. Featuring **high power density**

and **exceptional connectivity** with robust high-performance fibre coverage, MEGA Gateway is built to support mission-critical IT workloads with its **future-proof infrastructure**. The **strategic location in Tsuen Wan, the centre of Hong Kong**, enables it to serve as a critical pathway to mainland China and the world.

Elevate Business Performance with World-class Infrastructure and Cutting-edge Solutions



Unrivalled Power Density

- 200K sq. ft. Gross Floor Area (GFA) and 20MW power capacity with on-premise 132kV for high-power supply
- En-bloc data centre purpose-built for customisation
- Dual power lead-in paths to the building
- Modular design with optimal floor height and high floor loading perfectly designed to meet today and future needs of cloud services, telco carriers, ISP and high power-density applications



Exceptional Connectivity

- Connectivity edge extended from MEGA-i, the most carrier-dense co-location site in the world*
- High-speed connection to other data centres on MEGA Campus through a dedicated dark fibre network and around 15,000 cross-connects
- Multiple telecom lead-ins for flexibility and resiliency
- Full diversity and redundancy of connectivity route intra-building

*TeleGeography "The State of the Network" 2023 Edition



Strategic Location

- Strategically located in Tsuen Wan, the central hub in Kowloon and New Territories of Hong Kong
- Well positioned as a strategic springboard connecting customers to mainland China from the rest of the world, vice versa

SUNeVision Data Centre Footprint



Facilities on MEGA Campus are interconnected through a dedicated dark fibre network.

Specifications



2021 LEED Gold Certification Building Design and Construction: Core and Shell Development

Facility

Building	Single purpose-built, en-bloc data centre
GFA	About 200,000 sq. ft.
Floor height	5.15 m slab-to-slab (4.8 m clear head room)
Floor loading	12.5 kPa
Rack height	Up to 52U

Connectivity

Telecom lead-in	Multiple telecom lead-ins to multiple TBE/MDF rooms Diverse network routes and risers to data halls
Cross-connect service	Cat 6 unshielded twisted pair cable, singlemode fibre cable, multimode fibre cable
Connectivity service	SUNeVision Cloud eXchange (SCX), MEGA Connect, HKIX Connect, iAIX
Carrier neutrality	True carrier neutral, with all major FTNS services

Security

Surveillance monitoring	24/7 HD digital surveillance coverage Default 90 days footage retention
Security operation	24/7 manned security centre 24/7 security guard
Access control	Multiple levels of control for authorised access to defined space Enhanced 2-factor authentication control to key area 24/7 authorised access to data halls

The above specifications are subject to change. Custom-built specifications can be provided on request.

Power

Utility power	On-premise 132kV substation backup by 11kV feeders
Transformer	N+1 with another +1 transformer for maintenance
Generator	1-to-1 coupling with transformer
UPS	Modular N+1 configuration with 10 mins battery backup Dual UPS power feeds to rack
IT load per rack	Average 6kW, can customise for higher load density
Backup diesel	Multiple underground fuel tanks with full diverse distribution to generators 24/7 fuel delivery contract

Cooling

CRAH	(N+1) x 2 sides of data halls Front flow system with hot aisles design Modular N+1 for maintenance
Chiller plant	Chilled water pipe in ring configuration through dual separated risers to data halls
Data hall temperature	23 +/- 2 degree Celsius
Data hall humidity	50 +/- 20%

Fire & Water Leakage Detection

Fire suppression	Pre-action sprinkler (Dry pipe) Optional: NOVEC 1230 gas suppression system
Water leakage detection	Distance type leakage detection system in data halls and critical plant rooms

Why SUNeVision?



**Network
Dense**



**Carrier and Cloud
Neutral**



**Scalable and
Resilient**



**Bespoke
Solution**

Connect with Us



+852 2208 8888

brochure@sunevision.com

www.sunevision.com