KR1
Gangnam
Data Centre

Seoul

KR1 GANGNAM DATA CENTRE

Empyrion Digital is a next-generation digital infrastructure platform committed to operating at the highest standards of efficiency and sustainability. Green by design, we power data centre solutions that connect and scale digital ecosystems across Asia.

Conveniently located at the heart of Seoul's major business districts (Gangnam, Central, Yeouido) and IT cluster (Pangyo Techno Valley), the KR1 Gangnam Data Centre is part of the Empyrion Digital Asia platform. It spans a colocation space of 30,714 m² and is capable of provisioning up to 40 MW of power capacity.

As the newest data centre to be constructed in the supply-tight Gangnam district in recent years, KR1 Gangnam provides opportunities for international and local hyperscale, enterprise and network companies to expand into and within the 4th largest metropolitan economy in the world.

Highlights

• Strategically located 9 km from the Pangyo Techno Valley and 12 km from Seoul's CBD

• Designed for efficiency with the StatePoint Liquid Cooling System

• Strategic partnerships with key network providers to enable comprehensive connectivity solutions

• Scalable, resilient and carrier-neutral pan-Asia platform

Map

📍 224 Yangjae-dong, Seocho-gu, Seoul

TECHNICAL SPECIFICATIONS

SPACE

Building

Colocation Space	30,714 m²
Power Capacity	40 MW
Building Type	9-storey, multi-tenant
Floor Type	Slab and raised
Floor Load Capacity	15 kN/m²
Ceiling Height	1F – 6F : 7 m
	7F – 8F : 8 m
Seismic resistant design	Richter scale 7.0
Parking	Available on request

Data Hall Architecture

Floor Plan	Flexible configuration
	Suitable for multi-tenant
	Hyperscale & enterprise-ready
Data Hall	Hot-aisle containment
	Available 4.2 MW per floor
	10 KW per cabinet (More than 10 KW available on demand)

FACILITIES

Power and Cooling

Annualized PUE	1.3
Utility Feeders	2 separate substations for redundancy
UPS Configuration	N+1, Block or Distributed Redundancy
Standby Power Configuration	N+1
Cooling System	Nortek StatePoint® Liquid Cooling & fan wall systems
Cooling Configuration	N+1
Fire Suppression	IG-100 Gas fire suppression system

Security

24/7 physical security, CCTV,
2-factor authentication with biometric access

PRODUCTS & SERVICES

Interconnection	Cross Connect, Metro Link or Metro Connect
On-site	Remote Hands 24x7 available
Services	Standard Cabinets
Colocation	Customisable Private Cages
	Operation Rooms for Business Continuity Planning
	Flexible Floor Plan Configuration
Telecommunications Infrastructure	Fibre Entry Points – 2 MMRs

CERTIFICATIONS *

International	ISO14001, ISO27001, ISO45001
Domestic	ISMS (Information Security Management System)

In the process of being obtained

ABOUT EMPYRION DIGITAL

Empyrion Digital is a next-generation digital infrastructure platform committed to sustainability and the highest standards of responsible operating performance. Green by design, we develop and operate highly efficient hyperscale and colocation data centres that connect and scale digital ecosystems across key cities in Asia.

www.empyriondigital.com

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