



## CENTRO DE DATOS

KIO  
MEX|4

KIO is an international company, founded in 2002, a provider of mission-critical Information Technology services that operates state-of-the-art Data Centers with the highest security, availability and density in Mexico, Colombia, Central America and the Caribbean. KIO hosts a robust and wide ecosystem of different industry sectors in the region within its Data Centers ensuring a professional, redundant, scalable and secure environment.

**KIO MEX|4** joined the KIO portfolio in 2014 and has 3 floors of Data Centers with **TIER III** characteristics.

**Location:** Blvd. Magnocentro 6, Centro Urbano Interlomas, 52760 Huixquilucan, State of Mexico.

## CHARACTERISTICS



## DESIGN

3,508 m2 of white floor divided into three Data halls, with a reinforced false floor with a height of 0.50 m.



## ELECTRICAL CAPACITY

It has four 1000 kVA UPS that are redundant, and they have sufficient capacity to provide uninterrupted and filtered power to all of the installed equipment.



## REDUNDANCY

2N in the electrical equipment, with four 2 MW power generators. They have diesel storage tanks, providing 4-day autonomy.



## POWER SUPPLY / SERVICE DROP

One medium-voltage (3.5 MVA) power supply connection.



## MONITORING

It has a Building Monitoring System (BMS) that monitors the efficiency and proper operation of all of the Data Center's electromechanical infrastructure.



## NOC

Advanced operations and network monitoring center.



## ENERGY EFFICIENCY

Average PUE of 1.8



## QUALIFIED PERSONNEL

There are trained and qualified operating personnel 7x24x365 days a year.



## CARRIER NEUTRAL

Open invitation to all Carriers.  
The current Carriers are:

ATC	Flō Networks	Total Play
AT&T	Izzi	Verizon
Axtel / Alestra	MCM (Megacable)	Vivaro
Bestel	Neutral Networks	
C3ntro	Telefónica	
Cogent	Telmex	

Additionally, **KIO** has a high-speed interconnection network between its Data Centers and connects with others through **DE-CIX and Megaport**.



## SECURITY

There are five two-factor authentication (proximity and facial recognition biometrics) controls, with a 7x24x365 Video Surveillance system with a 90-day storage capacity. The center has received Payment Card Industry Data Security Standard (PCI) certification.



## FIRE PROTECTION

It has smoke detectors, manual stations and audiovisual alerts in all areas, in compliance with the standards of the National Fire Protection Association (NFPA), as well as a Very Early Smoke Detection Apparatus (VESDA) and a double interlock preaction system.



## GLOBAL DATA CENTERS, SECURE AND EFFICIENT FOR YOUR BUSINESS

### PHYSICAL CHARACTERISTICS

+ Type of walls	Concrete
+ Wall thickness	15 cm (6 inches)
+ Perimeter wall	Yes
+ Construction of perimeter wall	Concrete
+ Wheelchair access	Yes
+ Dedicated Data Center building	Yes
+ Distance to a police station	500 m (1640.42 ft)
+ Distance to a fire station	500 m (1640.42 ft)
+ Data Hall No1 technical floor area	1,500 m <sup>2</sup> (16145 ft <sup>2</sup> )
+ Data Hall No2 technical floor area	1,450 m <sup>2</sup> (15607.67 ft <sup>2</sup> )
+ Data Hall No3 technical floor area	500 m <sup>2</sup> (5381.96 ft <sup>2</sup> )

+ Raised floor - Concentrated load	567 kg (1,250 lb)
+ Raised floor - Uniform load	1,952.97 kg/m <sup>2</sup> (399.99 lb/ft <sup>2</sup> )
+ Raised floor - Impact load	65 kg (143.3 lb)
+ Raised floor - Last load	2,222 kg (4,898.6 lb)
+ Independent room for UPS	Yes
+ UPS room with redundant air conditioning	Yes
+ Maximum cabinet capacity	1,215 approximately.
+ Availability of space with perimeter cage	Yes
+ Height above sea level (meters)	2,340 m (7,677.16 ft)
+ Distance to the ocean (kilometers)	270 km (167.77 miles)

### ELECTROMECHANICAL CHARACTERISTICS (COOLER)

Number of total units	37
Number of redundancy units	10
Cooling tons	1,110



## SECURITY

+ Access control	Through lock gates
+ Authentication factors	Two (Biometric and proximity card)
+ Visitor log	Yes
+ 7x24 Security personnel	Yes
+ Security cameras	Yes
+ Minimum DVR recording time	90 days
+ Fire detection	VESDA System
+ Automatic fire extinguishing	Double interlock preaction

## COMUNICATIONS

+ Copper wiring	Category 6A or higher
+ Fiber wiring	Single mode and multimode
+ Wire covering	Plenum and/or LSOH
+ Space for Carriers	Yes
+ Site Entry	Yes

## POWER CHARACTERISTICS

+ Redundancy	2N
+ Availability	ICREA Level III
+ Design capacity in m2	0.550 kW / IT
+ UPS capacity	1,000 kVA
+ Constant battery monitoring	Yes
+ Transformer capacity	3,750 kVA
+ Number of power connections	3
+ UPS autonomy time	7 minutes
+ Diesel autonomy time	4 days
+ Total diesel tank capacity	40,000 liters total (10,566 gal)
+ Number of generators	4
+ Total generator capacity	2,025 kW

## CERTIFICATIONS

+ PCI DSS	ISO/IEC20000-1:2018
+ SSAE18 (SOC 1)	ISO/IEC27001:2013
+	ISO/IEC 9001:2015
+	ISO/IEC 37001:2016



SSAE18

