



DATA CENTER

KIO MEX|3

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.



19°22'22.7"N 99° 15'37.8"W

KIO MEX | 3 joined the KIO portfolio in 2014.

KIO MEX|3 located at: **Alfonso Napoles Gandara 50 PB, Peña Blanca Santa Fe, Mexico City, 01210.**

CHARACTERISTICS



DESIGN

It has a computer room with an area of 902 m2, with a false floor that has a height of 0.50 m reinforced with earthquake-proof pedestals, with a category-4 structure.



ELECTRICAL CAPACITY

It has four 225 kVA UPS and two 130 kVA UPS that are redundant and have sufficient capacity to provide uninterrupted and filtered power to all of the installed equipment.



REDUNDANCY

N+1 in the electrical equipment, with two 1 MW emergency power generator. It also has 4 diesel storage tanks, providing 4-day autonomy. The cooling equipment has an N+1 configuration.



POWER SUPPLY / SERVICE DROP

Medium-voltage (23 kV) power supply / service drop.



MONITOREO

Cuenta con un Building Monitoring System (BMS), el cual monitorea la eficiencia y correcto funcionamiento de toda la infraestructura electromecánica del Centro de Datos.



ENERGY EFFICIENCY

Cold aisle containment which helps to deliver an average PUE of 1.8.



SECURITY

There are 5 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.



CARRIER NEUTRAL

Open invitation to all Carriers.
The current Carriers are:

ATC	Flô Networks	Total Play
Axtel / Alestra	TELMEX	

KIO also has a high-speed interconnection network among its Data Centers.



NOC

Advanced operations and network monitoring center.



QUALIFIED PERSONNEL

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

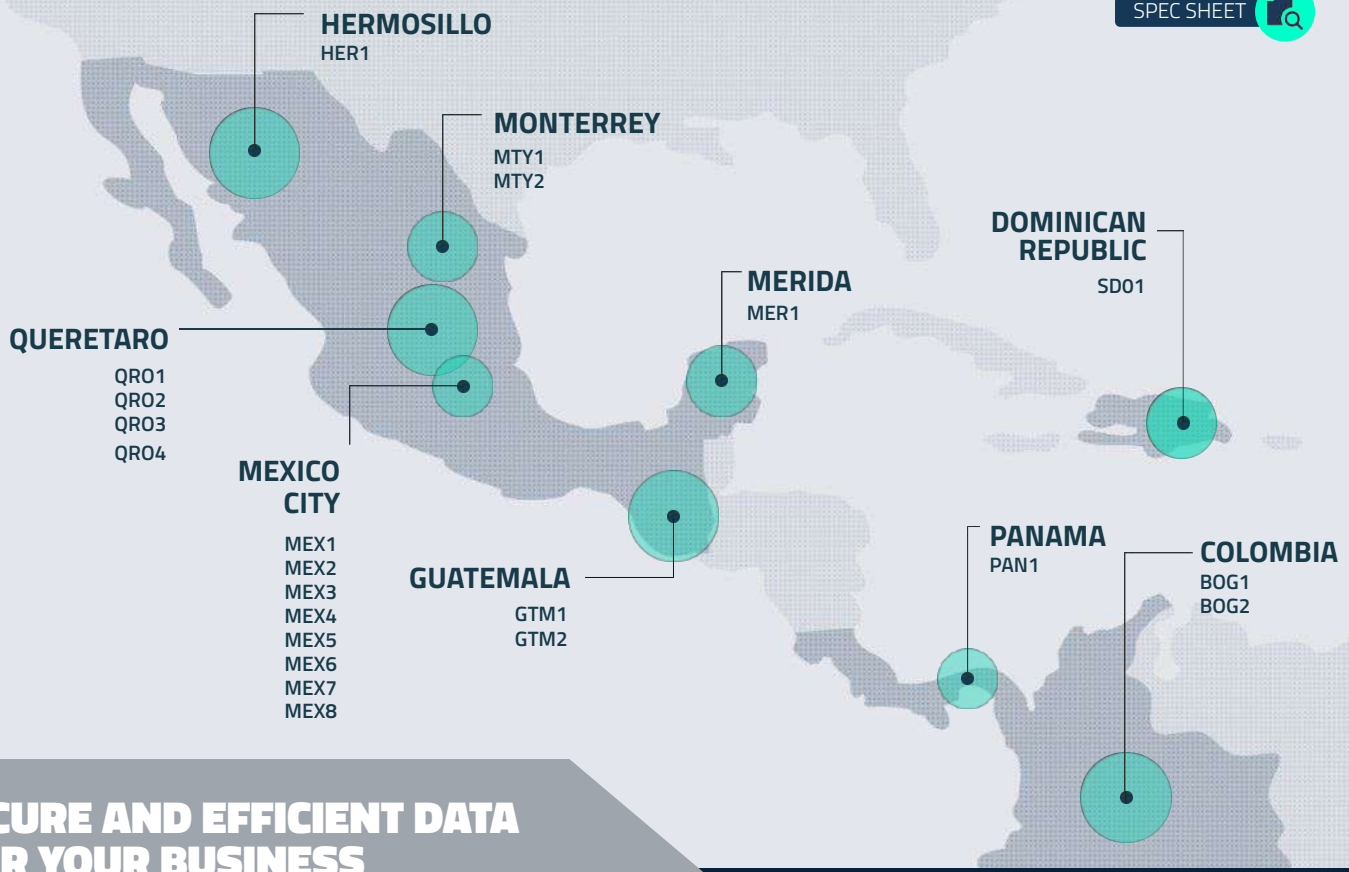


FIRE PROTECTION

There are 5 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.

PHYSICAL CHARACTERISTICS

+ Type of walls	Reinforced concrete
+ Wall thickness	20 cm (7.87 inches)
+ Perimeter wall	Yes
+ Construction of perimeter wall	Reinforced concrete
+ Wheelchair access	Yes
+ Dedicated Data Center building	Yes
+ Distance to a police station	22.5 km (1.55 miles)
+ Distance to a fire station	3 km (1.86 miles)
+ Data Hall No1 Technical Floor Area	902 m2 (9,709 ft2)
+ Raised floor - Concentrated load	567 kg (1,250 lb)
+ Raised floor - Uniform load	2,216 kg/m2 (454 lb/ft2)
+ Raised floor - Impact load	65 kg (143 lb)
+ Raised floor - Last load	2,222 kg (4,898 lb)
+ Maximum cabinet capacity	372 approximately
+ Space availability with perimeter cage	Yes
+ Height above sea level (meters)	2,250 m (7,381.89 ft)
+ Distance to the ocean (kilometers)	280 km (173.98 miles)



GLOBAL, SECURE AND EFFICIENT DATA CENTERS FOR YOUR BUSINESS

ELECTRICAL CHARACTERISTICS

+ Redundancy	2N
+ Availability	ICREA Level III
+ Design capacity in m2	0.840 kW / IT
+ UPS capacity	225 kVA (x4) 130 kVA (x2)
+ Transformer capacity	1,000 kVA
+ Number of power connections	1
+ UPS autonomy time	7 minutes
+ Diesel autonomy time	4 days
+ Total diesel tank capacity	17,300 liters (4,570 gal)
+ Number of generators	2
+ Total generator capacity	1,000 kW
+ Redundancy	2N
+ Availability	ICREA Level III

SECURITY

+ Access control	Mantrap
+ Authentication factors	Two (Facial biometrics and proximity card)
+ Visitor log	Yes
+ 7x24 Security personnel	Yes
+ Security cameras	Yes
+ Minimum DVR recording time	90 days
+ Fire detection	VESDA
+ Automatic fire extinguishing	Through Gas FM-200
+ Acces Control	Through Locks
+ Authentication factors	Two (Biometric and proximity card)
+ Visitor registration	Yes
+ 7x24 security personnel	Yes
+ Security cameras	Yes

ELECTROMECHANICAL CHARACTERISTICS

(COOLING)

Number of total units	12
Number of redundant units	4
Tons of cooling for the Data Center	240

COMMUNICATIONS

+ 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

CERTIFICATIONS

+ ICREA Level III	ISO/IEC20000-1:2018
+ SSAE18 SOC1	ISO/IEC27001:2013
PCI DSS	ISO/IEC 9001:2015



SSAE18

