

DATA CENTER

KIO HER|1

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.

 29°05'7.6"N 110°57'40"W

KIO HER|1 Started operations in 2019, this Data Centers have **TIER III** characteristics.

Located at Calle General Bernardo Reyes No. 98 Hermosillo, Sonora, CP 83190.

CHARACTERISTICS



DESIGN

Seven **ATOM** computer rooms with a capacity of **73 sqm** in total, with a height of **2.51 m** from false floor to ceiling, equipped with rails to slide the racks across the width of the container.



ELECTRICAL CAPACITY

It has six UPS of **219.6 kVA**, that are redundant and have sufficient capacity to provide uninterrupted and filtered power to the installed equipment. They also have an advanced battery monitoring system.



REDUNDANCY

2N in the electrical equipment, with two emergency electrical generators of **600 kW** each. They have diesel storage tanks, providing an autonomy of **3.5-days**.



ENERGY EFFICIENCY

KIO Green with renewable energy, which allows electrical energy savings in the cooling system, when the ambient humidity and temperature conditions are ideal, helping to achieve a **PUE by design of 1.7**.



MONITORING

It has a Building Monitoring System (**BMS**), which monitors the efficiency and proper functioning of the entire electromechanical infrastructure of the **Data Center**.



POWER SUPPLY / SERVICE DROP

One medium-voltage electrical connection of **13,200 VAC**.



NOC

Advanced operations and network monitoring center.



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	Flô Networks	Total Play
Axtel / Alestra	Telmex	

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



SECURITY

It has double authentication security controls (proximity), with a 7x24x365 Video Surveillance system with a 90-day storage capacity. The center has received Payment Card Industry Data Security Standard (PCI) certification.

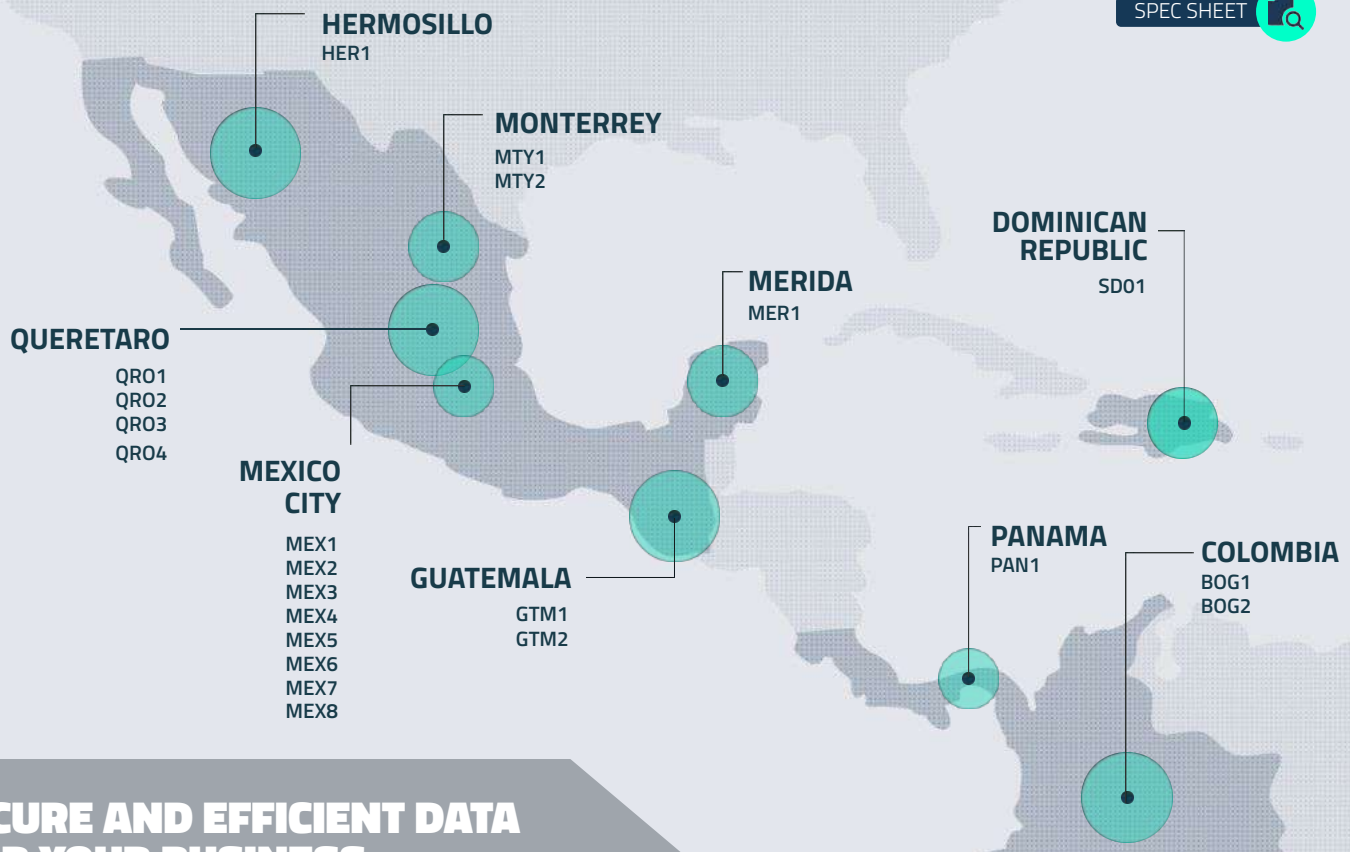


FIRE PROTECTION

It has smoke detectors, manual stations and audiovisual alerting in all areas. It has an early fire detection system and a preaction system with double interlock.

ELECTROMECHANICAL CHARACTERISTICS (COOLING)

Number of total units	17
Number of redundancy units	7
Cooling tons	112.5



GLOBAL, SECURE AND EFFICIENT DATA CENTERS FOR YOUR BUSINESS

PHYSICAL CHARACTERISTICS

+ Perimeter wall	Yes
+ Wheelchair access	Yes
+ Dedicated Data Center building	Yes
+ Distance to a police station	1.1 km (0.683 miles)
+ Distance to a fire station	1.1 km (0.683 miles)
+ ATOM MINI technical floor area (4)	11 m ² (118.48 sqft)
+ ATOM CORE technical floor area (2)	21 m ² (226 sqft)
+ ATOM SPARK technical floor area (1)	6 m ² (64.58 sqft)
+ MDA technical floor area	17 m ² (182.98 sqft)
+ Raised floor - Last upload	567 kg (1,250 lb)
+ UPS room has air conditioning	Yes
+ Maximum cabinet capacity	32
+ Height above sea level (meters)	6.54 m (21.784 ft)
+ Distance to the ocean (kilometers)	106 km (65.86 miles)

SECURITY

+ Access control	Folding door
+ Authentication factors	Proximity card
+ Visitor log	Yes
+ 7x24 Security personnel	Yes
+ Security cameras	Yes
+ Minimum DVR recording time	90 days
+ Fire detection	VESDA
Automatic fire extinguishing	Double interlock preaction

POWER CHARACTERISTICS

+ Redundancy	2N
+ Availability	TIER III
+ Design capacity in m ²	188.1 kW / IT
+ UPS capacity	219.6 kVA
+ Constant battery monitoring	Yes
+ Transformer capacity	750 kVA
+ Number of power connections	1
+ UPS autonomy time	6 minutes
+ Diesel autonomy time	3.5 days
Total diesel tank capacity	14,000 litros (3698.41 gl)
+ Number of generators	2
Total generator capacity	600 kW

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