



Technical Specifications

Río de Janeiro - Cirion Data Center

RIO1

Río de Janeiro - Cirion Data Center

About Site

Cirion's Rio 1 data center (RIO1), located in Quinta da Boa Vista in Rio de Janeiro, is a two-story, reinforced-concrete facility purpose-built to deliver high-density, high-availability digital infrastructure. With over 1,780 m² (19,200+ ft²) of raised-floor colocation space and Tier III design certification, RIO1 is engineered to support mission-critical workloads across diverse infrastructure environments.

The site delivers up to 8.0 kW per cabinet, backed by N+1 power and cooling redundancy, 13 prime diesel generators, and full integration with Cirion's cross-connect and compute services — including Bare Metal Cloud. RIO1 is certified to ISO 27001, PCI-DSS 4.0, ISO 20000-1, and more, and is powered by 100% renewable hydroelectric energy. With remote hands, OS management, and robust physical and electronic security, Rio 1 is a trusted platform for scalable, secure, and sustainable digital operations.

Benefits

- Strategic Location in Rio de Janeiro**
 Centrally located in Quinta da Boa Vista, with access to major network routes and regional digital infrastructure corridors.
- High-Density Colocation**
 Supports cabinet densities up to 8.0 kW — designed for modern compute workloads and scalable deployments.
- Resilient Infrastructure Design**
 N+1 power and cooling redundancy, with 13 diesel generators and DRUPS providing robust standby capacity.
- Certified for Security and Compliance**
 Tier III design certified and compliant with ISO 27001, PCI-DSS 4.0, ISO 20000-1, ISO 22301, ISO 27701, and more.
- Integrated Hosting and Compute Services**
 Includes cross-connects, virtual hosting, and Bare Metal Cloud options, plus remote hands and managed OS support.
- 100% Renewable Energy**
 Fully powered by hydroelectric energy and aligned with Cirion's ESG and sustainability commitments.

DATA CENTER RIO1

Rio de Janeiro, Brazil



Scalable Infrastructure in a Coastal Urban Hub with Dense Connectivity.



Av. Eid Mansur, 666, Parque , Sao Goerge, Rodoviária Raposo Tavares, KM 25, CEP 06708-070

CONTACT US

to Discuss Availability



www

ciriontechnologies.com



RIO1 in numbers

IT Capacity (Rack FP)

483

Total Area (m²)

7,097

Floor Area (m²)

5,112

Renewable Energy

100%

Power (MW)

12

Technical Specifications

Río de Janeiro - Cirion Data Center

Building

Space	
Colocation Space	1787 m / 19235 ft ²
Building Type	Building with two-story reinforced concrete
Parking	Yes
Floor Type	Raised

Fire Protection

Fire Suppression	FM200
------------------	-------

Facilities

Power & Cooling	
Cabinet Density	8.0 kw
Utilities Feeders	3
UPS Configuration	Distributed Redundancy
UPS Redundancy	N+1
Standby Power Configuration	13 x 450 kva diesel generators (Prime), 3 drups x 1500 kw
Standby Power Redundancy	N+1
Cooling Configuration	CRAC Units
Cooling Redundancy	N+1

Security

Physical	Man trap entry
Human	24/7 onsite security officers
Electronic	Card readers, biometrical readers, CCTV surveillance with 90-day video retention, motion detection

Amenities

- ✓ Break room
- ✓ WiFi
- ✓ Conference Room
- ✓ Coffee and snack vending machine

Products and Services

Cirion Core

- ✓ Colocation
- ✓ Office Space
- ✓ Remote Hands

Cirion Connect

- ✓ Cross Connect

Cirion Compute

- ✓ Bare Metal Cloud
- ✓ Hosting
- ✓ Storage
- ✓ Virtual Hosting
- ✓ Backup

Managed

- ✓ Operating System Management

Reliability

Our Data Centers boasts an industry-leading, high average uptime track record of >99.9999% globally

Certifications

- ISO 9001
- ISO 20000-1
- ISO 22301
- ISO 27001
- ISO 27017
- ISO 27018
- ISO 27701
- ISAE3402 SOC 1
- PCI-DSS 4.0
- Tier III Design Documents

Sustainability

- **Renewable Energy:** 100%
- **Type:** Hydroelectric
- **ESG Report**

About Cirion

Cirion Data Centers is a trusted data center partner serving Latin America's most cloud-enabled and highly connected markets — delivering scalable infrastructure, dense interconnection, colocation and wholesale data center capacity to the world's leading cloud platforms and enterprises.

With unmatched reach across Latin America, carrier-neutral facilities, and next-generation environments built to support high-density and AI workloads, Cirion powers the digital businesses behind some of the most critical and fast-growing organizations globally.

CONTACT US

to Discuss Availability



www

ciriontechnologies.com

