

DATACENTER

Location

Satigny - Geneva - Switzerland

Datacenter type

Tier III + Type

Availability rate

99.98%

Access

Open 24/7, year round

Certification

ISO 14001 : Environmental Management

ISO 50001 : Energy Management

ISO 27001 : Information Security Management (Certification pending)

Confidentiality

Swiss Data Protection Act (DPA)

Access identification

- Each door is secured by a biometric terminal (fingerprint or vein pattern (Biovein)).
- HD facial recognition in each room/airlock.
- Rack secured by 3 digit codes (gates on front and back of the rack).

Redundancy

N+1 in terms of electrical power supply, cooling , generators and inverters.

Cooling System

Free cooling

Fire-Fighting system

High pressure mist fire extinguishing system (Danfoss - Semco A/S):

- Extinguishes a fire
- Automatically injects water at 200 bars of pressure
- Does not damage the equipment
- No service interruption

Equipment accepted

Equipment housed must be rackable.

We recommend using servers compliant with the Fresh Air standard or its equivalent (servers designed to work at high temperatures and with no humidity control).

Customer workshop

We provide a technical facility complete with:

- Tools, carts, screens, keyboards and electrical and network cables
- Coffee maker and sink

Customer parking

Two "Infomaniak SA" parking spaces are available at the rear of the building.

ENERGY

Transformer

1 MW of power (18'000 V > 230 V)

Supplier

Services Industriels de Genève (SIG)

Energy type

60% hydroelectric power and 40% green power

General low voltage board

2 Mardix - Tier III + Type general low voltage boards

Inverter

2 General Electric - TLE Series UPS inverters

Batteries

10 minutes of autonomy (generator start-up time is ~ 2 min).

Electrical generator

- 2 Generators on the roof with a 2,000 liter fuel tank
- 10,000 liter fuel tank in the basement (48 hrs' autonomy)
- Hot refueling

Tests

Generator function is tested each month. Twice a year, a power outage simulation is conducted in order to test the function of the electrical backup power.

	10U Rack	20U Rack	46U Rack	58U Rack
Energy Provided	1 kWh	1.6 kWh	Billed based on SIG prices (Horizon offer)	Billed based on SIG prices (Horizon offer)
Power use overages	Billed based on SIG prices (Horizon offer)	Billed based on SIG prices (Horizon offer)	N/A	N/A
Connector Type	8 CEI C13 connectors (Y splitter AC power cable provided)	16 CEI C13 connectors (Y splitter AC power cable provided)	42 CEI C13 connectors (Y splitter AC power cable provided)	32 CEI C13 connectors (Y splitter AC power cable provided)
Electrical redundancy	included	included	Single installation fee (at going rate)	Single installation fee (at going rate)

NETWORK

10U / 20U / 46U / 58U

Bandwith Included	1 Gbps / 100 Mbps CDR95%
Connexion cable provided	1 x RJ45 Ethernet Cable
Connection cable edundancy	By request (redundancy between the switch and the rack)
Traffic	Traffic is unlimited in downloading and uploading. Monitoring graphs provided
IP address	IPv4 or IPv6 free (provide IP Adresses plan so we can justify the IPs with RIPE https://www.ripe.net/)
PTR registration	yes

Bandwith available

From 1 Gbps / Mbps CDR95% to 10 Gbps

Bandwith

70 Giga for the entire datacenter

Interconnection operators

- 2 x 10 Giga Swisscom
- 2 x 10 Giga Level3
- 1 x 10 Giga Cogent
- 1 x 10 Giga Zurich exchange
- 1 x 10 Giga CIXP exchange point

Peak bandwith use

30% (20 Giga out of 70 Giga provided)

Connection redundancy

The connection redundancy is assured by two completely independent fiber-optic lines coming from two opposite directions. These fiber connections create a loop that crosses the canton of Geneva over 30km interconnecting our 3 datacenters. This enables each of our sites to have network redundancy.

Custom interconnections

It is possible to establish a secure connection between your organization and our datacenter at very attractive prices. Only the technical intervention time is billed, with no subsequent maintenance costs.

DDos Protection

Our DDos Protecton can absorb attacks of over 4.5 Tbps.

OTHER INFORMATION

10U Rack

20U Rack

46U Rack

58U Rack

Measurements	80cm - 100cm	80cm - 100cm	60cm - 100cm	80cm - 100cm
Maximum weight	1,5 Tons per m2	1,5 Tons per m2	1,5 Tons per m2	1,5 Tons per m2

