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 (Bovet)).
• HD facial recognition in each room/airlock.
• Rack secured by 3 digit codes (gate 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.

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

### 10U / 20U / 46U / 58U

<table>
<thead>
<tr>
<th>Feature</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bandwidth included</td>
<td>1 Gbps / 100 Mbps CDR95%</td>
</tr>
<tr>
<td>Connection cable provided</td>
<td>1 x RJ45 Ethernet Cable</td>
</tr>
<tr>
<td>Connection cable redundancy</td>
<td>By request (redundancy between the switch and the rack)</td>
</tr>
<tr>
<td>Traffic</td>
<td>Traffic is unlimited in downloading and uploading. Monitoring graphs provided</td>
</tr>
<tr>
<td>IP address</td>
<td>IPv4 or IPv6 free (provide IP Addresses plan so we can justify the IPS with IFPE) <a href="https://www.ifpe.net/">https://www.ifpe.net/</a></td>
</tr>
<tr>
<td>PTR registration</td>
<td>yes</td>
</tr>
</tbody>
</table>

### Bandwidth 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 CIKP exchange point

### Peak bandwidth 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 Protection can absorb attacks of over 4.5 Tbps.

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**OTHER INFORMATION**

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<th>58U Rack</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurements</td>
<td>80cm - 100cm</td>
<td>80cm - 100cm</td>
<td>60cm - 100cm</td>
<td>80cm - 100cm</td>
</tr>
<tr>
<td>Maximum weight</td>
<td>1.5 Tons per m²</td>
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</tr>
</tbody>
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**INFO MANI LAK**