

Technical specifications

HYPER CLOUD DATA CENTER (IT4) - DC-A

THE MOST MODERN TECHNOLOGY HUB IN SOUTHERN CENTRAL ITALY

General

- Total surface area: 10,730 m²
- Data hall surface area: 3,120 m²
- Number of independent data rooms: 6
- Floors on which the server rooms are distributed: 3
 - ✓ Secure location in terms of earthquakes
 - ✓ Secure location in terms of hydro-geological risks

Building

- Height of the data hall: 3.5 m
- Height of upper plenum: 1.4 m
- Height of lower plenum: 1.95 m
- Load capacity of the floating floor: 2,300 kg/m² (distributed load) - 1,000 kg/m² (concentrated load in one place)
- External firewalls: REI 240
- Internal firewalls: REI 120
 - ✓ Double insulation with defrost system
 - ✓ Double loading bay

Certifications and compliance

- ✓ ANSI/TIA 942-B-2017 Rating 4 (formerly Tier 4)
- ✓ ISO 9001 - Quality of services offered
- ✓ ISO 14001 - Environmental management system
- ✓ ISO 27001 - IT security
- ✓ ISO 45001 - Workplace health and safety management system
- ✓ ISO 22301 - Business Continuity management system
- ✓ ISO 20000-1 - IT services management

Services

- Colocation solutions: rack portions; dedicated racks; cage; dedicated rooms
- Power per rack: from 14 kW for standard configuration up to 40 kW for a customized project
- IT power individual room: 1 MW (powered by 2 redundant modules)
 - ✓ Remote hands
 - ✓ Shared warehouses, or dedicated to individual customers
 - ✓ Shared offices, or dedicated to individual customers

Connectivity

- Point of entrance: 6
- Entrance Room: 2
- Main Distribution Area (MDA): 2
 - ✓ Carrier neutral data center
 - ✓ Provision of managed connectivity

Energy

- Total power: 6 MW IT 2N (redundant)
- UPS redundancy: 2N+1
- UPS type: double conversion static
- Individual UPS power: 500 kVA
- UPS run time: 15 minutes at full power on single module in emergency conditions - 30 minutes in standard conditions
- Generator redundancy: 2N
- Generator type: diesel generator units
- Full load run time: 24h in emergency conditions, 48h in standard conditions, refill within 12h

Cooling

- Cooling type: Chilled water - water to air system
- Normal mode: air/water chiller to indirect free cooling
- Chiller redundancy: 2N
- CRAH redundancy: 2N

Security

- ✓ CCTV
- ✓ 24/7/365 security
- ✓ Separate parking for employees/visitors
- ✓ Vehicle bollards
- ✓ Separate entrance gates for visitors/goods
- ✓ Mantrap for visitors and goods with anti-tailgating
- ✓ Network Operations Center (NOC) 24/7/365
- ✓ Security Operations Center (SOC) 24/7/365
- ✓ Facility Operations Center (FOC) 24/7/365
- ✓ Building Management System (BMS)

Fire prevention system

- Air exchange: 2vol/h
- Extinguishing system: inert gas Extinguishing gas: IG-541
- Redundancy of extinguishing cylinders: 2N
 - ✓ Highly sensitive smoke detection system
 - ✓ Underfloor liquid loss detection system
 - ✓ Fire detection and extinguishing system in each single module
 - ✓ Standalone system on every generator unit



Hyper Cloud Data Center (IT4)

Via Giacomo Peroni - 00131 Rome

Nearest main airports

Rome (FCO): 35 mins

Rome (CIA): 20 mins

Nearby railway stations

Rome Termini: 30 mins

Rome Tiburtina: 20 mins

Nearby motorway exits

A 24: 15 mins

A 90 (GRA): 7 mins

Estimated average time by car.

