

Technical specifications

HYPER CLOUD DATA CENTER (IT4) - DC-A

THE INNOVATIVE AND HIGHLY CONNECTED ROME CAMPUS

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: 2,000 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-C-2024 Rating 4 (formerly Tier 4)
- ✓ ISO 9001 - Quality of services offered
- ✓ ISO 14001 - Environmental management system
- ✓ ISO 22237 - Data Center Lifecycle Management
- ✓ 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.

