



CTM DATA CENTER

澳門電訊數據中心

Introduction

Leading Macau's extensive telecommunication services, CTM keeps innovation at its peak by adopting the latest technology advancement in Business Solutions Services. To better serve its clientele base in various business sectors locally, CTM proudly announces its newest world-class Data Center service which is open in Hong Kong --- CTM (Hong Kong) Data Center, the first legally approved and recognized data center located abroad, connecting both data centers between Hong Kong and Macau via High Speed Internet Leased Line. With 300 racks in service operation, the system and network facility meets the international standard in operations, to deliver our clientele top quality, reliable and worry-free service for global business expansion.

Features & Benefits

Safety and Reliability

The CTM Data Centers in Hong Kong and Macau are securely connected by dedicated High Speed Internet Leased Lines, with 2 specific / individual leased lines connected to both telecommunication machine rooms, to ensure sufficient data bandwidth, and secure smooth performance of data transmission between both ends.

24 x 7 Security Monitor and Management

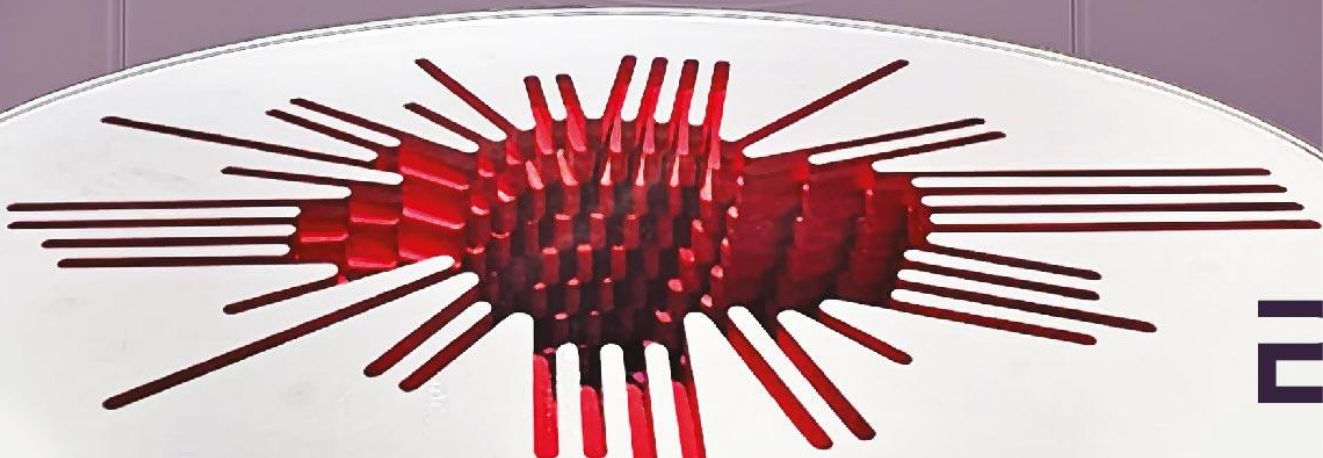
Supported by a dedicated 24 x 7 Security Team working around-the-clock, the CTM Data Center safeguards your business by having dedicated personnel monitoring real time and implements the highest level of restricted access control management system. Also, the Building Management System (BMS) monitoring is provided to inspect and verify all equipment within the Data Center.

Reliable Power Supply

Power System is supplied by CEM, offering 2 individual 1,600KVA generators, based on N+1 Uninterrupted Power Supply System to ensure constant and stable power supply. Under unexpected interruption of external power supply, CTM Data Center has the ability to provide at least 30 minutes back-up power supply. On the same token, with 2 individual power generators, the data centers are able to provide at least 3 more hours of emergency power supply.

International Standards

Our Data Center meets and satisfies the strictest demands of clients from across all industries because CTM is certified on Meeting ISO/IEC 20000-1:2011 (IT Service Management), ISO/IEC 27001:2013 (Information Security Management) and ISO 14001:2015 (Environment Management) standards with earned certifications. It also supports the unique and vast requirements of local and multi-national organizations, including governmental departments, gaming sectors, banking and financial institutions and other large-scale enterprises.



Specifications of Data Center

CTM Telecentro

Floor Specification	Gross Floor Area	1,150 m2 (Approximately 1,150 m2 or 12,400 ft ²)
	Rack Specification	45U
Power Infrastructure	Main Power Supply	Dual sources city power supply, both backed by Generators
	Voltage	220V
	Standby Generator	2 x 1,600KVA individual generator
	Backup Power	At least 30 minutes back up power supply
Cooling and Air Conditioning System	CRAC	N+1 CRAC Machine Redundancy Down flow Cooling, with Cold Aisle Containment
	Refrigeration System	2 Riser with ring circuit, Chill Water
	Temperature	20°C - 25°C
	Humidity	40% - 60%
Fire Detection System	Fire Safety Facilities	Novec1230 Fire Suppression System Very Early Smoke Detection Apparatus, VESDA detection system, Smoke Detector 2-hour Fire Rated Doors and Wall
Security Monitoring System	Monitoring	24 x 7 CCTV Monitoring
	Access Control	24 x 7 Intelligent Management Access Control
Network Connectivity	Network	Connection to CTM Core Network directly

Specifications of Data Center – CITIC Hong Kong

Power Infrastructure	Main Power Supply	Dual sources city power supply, both are backed by Generators
	Voltage	220V
	Standby Generator	N+1 standby generator
Cooling and Air Conditioning System	CRAC	N+1 CRAC Machine Redundancy
	Refrigeration System	N+1 Chill Water Cooling
	Temperature	20°C - 25°C
	Humidity	40% - 60%
Fire and Water Leakage System	Fire Safety Facilities	FM200 Fire Extinguishing System Very Early Smoke Detection Apparatus, VESDA detection system Automatic sprinkler in hallway
Security Monitoring System	Monitoring	24 x 7 Facilities Monitoring 24 x 7 Entrance Monitoring 24 x 7 CCTV Monitoring
	Access Control	24 x 7 Intelligent Management Access Control
Network Connectivity	Network	Dedicated Private Leased Line connects to Macau

Other Services



Co-location

- Rack Space
- Power, Cooling
- Physical Security
- Dedicated VIP Cages for equipment rack



Network Connectivity

- Business Internet Connectivity
- ADSL / Leased Line / IPLC
- Domain Name Service



Hardware Rental

- Server
- Network and System Facility



Managed Services

- Remote Hand Support
- System / Network Monitoring
- Back-up Service
- Tap Management



Solutions

- IT System Design
- Building and Maintenance Integration



Value-added Service

- DDOS Protection

Business Hotline: 8891 5000

