

Server Hosting with Compass Data Vault



Secure IT hosting

Compass Data Vault is a world class data and telehousing centre designed to host your IT infrastructure within a high specification managed facility. We provide the accommodation, you provide and support your IT as you see fit.

Purpose built facilities

Data Vault offers rack space in a secure, monitored environment with fully redundant power.

Nothing is left to chance. The data centre is equipped with DC power with battery backup, AC power with redundant UPS and battery backup and an on-site backup generator that provides continuous emergency backup to the AC and DC power systems and air conditioning systems.

Fully redundant process coolers maintain air temperature and humidity at

Safe and Reliable Hosting

Compass Data Vault is a safe and reliable server hosting service providing the ability to connect your IT & T services directly into the core of our network to ensure uninterrupted operation.

Connectivity Neutral

Redundant and secure connectivity to Telecom, TelstraClear, Vector, CityLink and Kordia, Compass can also provide connectivity to your current provider of choice.

Continuity of Services

Fully redundant power is provided by dual power feeds to all racks, backed up by a UPS (Uninterruptible Power Supply) and standby generator.

Ideal Operating Environment

Our 'n+1' HVAC (Heating, Ventilation and Air Conditioning) function provides ideal temperature and humidity levels, while our raised flooring ensures optimal air flow.

Physical Security

24 hour security is assured with 3-layer restricted access control and full video surveillance in place.

Fire Detection and Prevention

Compass operates an advanced gas fire suppression system working in tandem with a VESDA (Very Early Smoke Detection Alarm).

Natural Disaster Protection

The location and design of the Data Vault built on a solid bed of rock, provides protection from natural disasters such as earthquake or flood.

optimal levels. Fire protection is supplied by an early smoke detection system coupled with a gas flood system designed to extinguish any fire in the data centre within 10 seconds without damaging your equipment.

The building we own, situated at the high point of a ridge in Grafton, Auckland, is free of any flooding or environmental risk.



Facility details

The Compass Data Vault comprises a secure area of 370 sq m. The centre has 4m stud height and floor loading of 750 kg/sq m.

The equipment room has a false floor raised 450mm and separate cable trays for power and network feeds raised 100 mm above the floor. Power and network cable trays have minimum separation of 600mm.

Site security

The data centre is located in a secure area with no external windows. Access is gained through two sets of alarmed doors secured by swipe card and PIN code access. The facility is alarmed and monitored 24 hours by an external security company. All access is logged, and access and activity within the data centre is monitored and recorded by closed circuit television.

On-site power

The data centre is equipped with DC power with battery backup, AC power with redundant UPS and battery backup and an on-site backup generator. AC power is supplied by 3 phase mains power @ 160A per phase.

A 475 kVA diesel generator provides continuous emergency backup to the AC and DC power systems and the air conditioning systems.

Air conditioning

Air conditioning is provided by 4 x Liebert PEC228FA-100 process coolers set to provide temperature at 20 – 22 degrees Celcius (+/- 2 degrees) and humidity at 50% (+/- 15%).

The air conditioning is not UPS protected, but is backed up by the generator.

Access arrangements

Carrier neutral, our data hosting services are designed to provide secure access to your telecommunications network operator of choice.

The data centre has access provided by the following network operators:

- Telecom New Zealand – dual access fibre
- TelstraClear – dual access fibre
- Vector – dual access fibre
- CityLink – single access fibre
- Ihug
- Kordia.

Environmental monitoring and fire control

A Vesda LaserPlus smoke detection system has been installed to provide early smoke detection. An FM200 Gas Flood System has been installed. FM 200 is designed to extinguish any fire in the data centre within 10 seconds without damaging equipment.

Equipment racks

Within the Data Vault we are able to supply rack space across a variety of requirements. Your equipment will be located in supplied 19 inch wide x 2.2m high x 900mm deep equipment racks. Each equipment rack has a 10 way power strip.

Equipment should not exceed the following environmental standards (on a per rack basis):

- Power – 2 kVA; and
- Heat dissipation – 1.5 kW; and
- Weight – 375 Kg.

The Compass Data Vault is ultimately flexible to your IT warehousing needs.

Additional Services

- Server backup
- Managed firewall
- SAN & data storage
- Managed servers
- Shared Platforms
- SQL services
- Tape rotation & offsite storage
- Server imaging for disaster recovery
- Remote hands

For more information call us today on 0800 640 840.

Who is Compass Communications?

Compass Communications is an independent provider of calling and data services to thousands of business and residential customers across New Zealand. Compass has delivered innovative and technically advanced solutions to an expanding client base since 1995. Today the company employs more than 170 people and operates a multi-million dollar wireless and terrestrial network spanning thousands of kilometres across the country.

For more information about our products and services visit www.compass.net.nz