

# High Density Colocation Services

Support for up to 30kW/128 Amps per rack



Colocation makes exceptional business sense. These days, the economies of scale achieved in a purpose built data centre far outweigh the benefits of trying to keep it all under your own roof. Vocus' state-of-the-art data centres offer significant cost savings and exceptional reliability and security.

## Vocus Data Centres

Our purpose built data centres and managed colocation services offer significant operational advantages over keeping it in-house. They also offer a lower, fixed cost of ownership.

## More Options For Your Business

Vocus colocation services come in a flexible range of power and cooling options to support anything from standard server devices to multiple blade chassis or storage enclosures.

## Availability

Many organisations simply grind to a halt when their IT infrastructure is struck by power outages. When your IT operations are located within our data centre, it's business as usual. Vocus data centres are built to the highest levels of availability and reliability.

## Security

Security requires careful management. You need to keep the bad guys out but make it easy for the good guys to do their job. Vocus data centres have multiple layers of security while giving you and your technology partners the access you need.

## Power Density

Modern IT equipment like blade servers and storage clusters are hungry for lots of power in a small space. Yet many IT environments are not built to cope. This Vocus data centre is built for power hungry IT environments. We can power and cool equipment of up to 30kW in single a rack without operational risk.

## Energy Efficiency

This data centre has been purpose built for energy efficiency and is typically 20–40% more efficient than office based facilities. This is due to a number of factors including the use of the latest hot aisle containment systems for high density racks and utilising cooling solutions that include in row cooling and chillers able to take advantage of 'free cooling'. Our efficient internal distribution systems and our connection to the national grid via high voltage cable also contribute.

## Connectivity

This data centre is connected to our national and international network by diverse fibre paths ensuring high availability communications are always available.

## Contact Us

To learn more about our colocation services please call us on

+61 2 8999 8999

or email us at [dcsales@vocus.com.au](mailto:dcsales@vocus.com.au)

## Support

We are always here if you need it, providing experienced technical support 24 hours a day 7 days a week

Facility	Vocus Data Centres	Sydney
Performance	Availability	99.995% - Uptime and Concurrently Maintainable
	Average Power Density	2400 W Per Square Metre
	Rack Power	Up to 30kW (128 Amps) Per Rack
	Temperature	Temperature Constant 22oC +/- 2oC
	Humidity	Relative Humidity 50% +/- 10% at Control Instruments
Power Systems	Electrical Authority Supply	4 x 2MVA Transformer Diverse Feeds.
	Internal Supply	Redundant A+B Supply Distributed at 415V Busbar
	UPS & Standby Power	Static Bypass Transfer System
	UPS Configurations	UPS Configurations N+1 or N+N with Battery Reserve up to 15minutes
	Generator Backup	On-Site Diesel Power Generators
	Generator Fuel Capacity	Generator Fuel Capacity 24 Hours Fuel Capacity Onsite with 24x365 Fuel Delivery Callout
Security & Access	Entrance	Door Access Controls on all Technical Area
	Access	24/7 Swipe Card Access
	CCTV Monitoring	Full Coverage of Exterior, Entryways, Lifts, Stairs & Site Interior. 28 Day Digital System Access with Fully Staffed Security Control Room
	Alarm Systems	Motion Detectors for CCTV, Glass Breakage Sensors & Intrusion Detection on all Doors
	Building Access Delivery	Secure Delivery & Dock Loading Area. Leads Directly to the Main Data Centre Hall Through Secure Manned Entry
	Rack Security	Individual Key Lockable Racks as Standard ( Biometric/Proximity Card Also Available )
Cooling	Design	Design Redundant, N+1, Chilled Water Cooling System
	Distribution	Perimeter & In-Row Cooling
	Free Cooling	Free Cooling Stacks Supplying Data Centre Floor
	Control	Close Control Units Provide Air Conditioned Air to Technical Space
Fire Detection & Suppression	Design	Analogue Addressable Fire Detection System in all Areas
	Smoke Detection	VESDA in technical space and plant area
	Gas	FM200 Gas System
	Fire Extinguishers	Throughout with CO2 Extinguishers on the Technical Floors
Telecommunications	Lead Ins	Two Diverse Lead Ins, with Diverse Carrier Racks
	Carriers	Multiple Carriers Available in Addition to Vocus
	Cabling	Multiple Connections to Each Suite & Cable Trays to all Risers
	Roof Space	Available for Satellite & Antenna Equipment
Building	Gross Area	400m2
	Technical Area	150 Rack Spaces Plus 30 Equivalent High Density Inline Cooling HACS
	Technical Area Height	3.6m From Raised Floor to Ceiling
	Structure	Concrete Tilt Slab with Dual Membrane Roof Panelling
	Access Flooring	400mm Clear Depth Access Flooring Throughout Technical Areas
	Floor Loading	Typical Loading of 7.5kN/m2
	Passenger Lifts	1x2.4 Tonnes
	Parking	On-Site Parking for up to 4 Vehicles & Additional Local Parking
	Public Transport	Private Bus Route
Building Management	Staffing	Dedicated Facilities Management Team
	System	Monitors all Building Processes
Data Centre Services	Colocation	Colocation Space Available in Full Rack Increments
	Services	Remote Hands, Tape Management & Configuration