Broadband Bonding

What is Fusion Broadband Bonding?

fusion broadband

Fusion Broadband Bonding
What is it?

Unless your business is located in a Metro area with easily available high speed Internet services, your business is limited to ADSL and it's variants. ADSL, while very good is still limited with upload speeds. Connection reliability issues with carrier congestion, distance from the exchange and line quality are all working against you.

In many cases employees will have a faster connection at home than they will have in the office due to a single ADSL service being shared between a number of users.

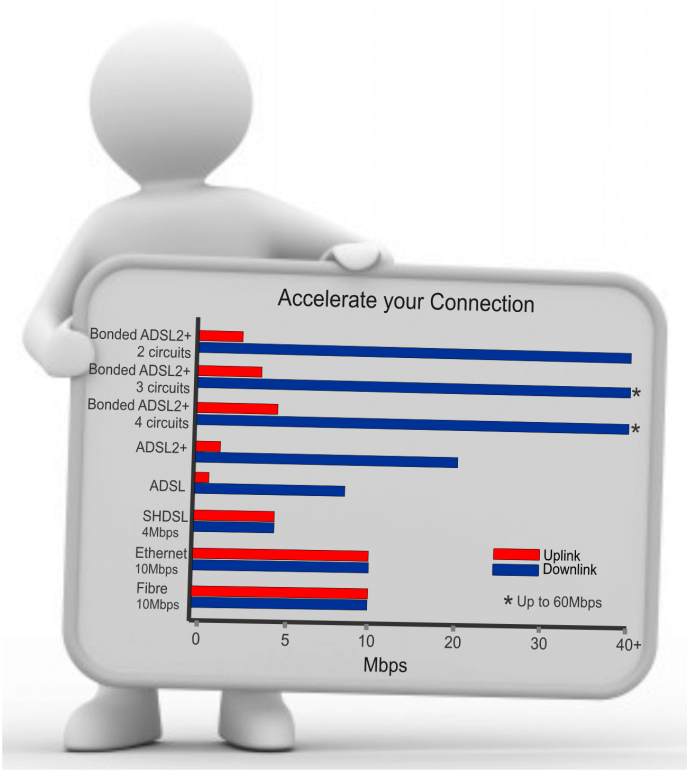
An easy cost effective way to resolve business broadband connections is to join multiple services together. Ideally from multiple carriers to improve connection stability where the service is not 100% dependent on one carrier and to avoid single carrier congestion.

Broadband Bonding involves combining two or more broadband connections into a single virtual connection to achieve faster download and upload speeds with more stability and connection uptime. In some circumstances customers may try to distribute various application over individual connections (load balancing).

This can be effective however no application will ever have more throughput that any single broadband connection. Broadband bonding however, involves combining the throughout of all of the connections thereby giving any application the sum of the speed of all the connections combined.

This provides excellent downlink and uplink throughput for bandwidth intensive applications such as **VPNs**, **Citrix**, **RDP** and **Terminal Server** applications, etc.

Fusion Broadband has been providing bonded broadband solutions throughout Australia for a number of years. We have bonded sites across the entire country, boding everything from ADSL1, ADSL2, Wireless and even NBN.



Implementing a Fusion Bonded ADSL solution requires a Fusion Bonding System at the customer premise (CPE) and a subscription to the Fusion bonding service (for simplicity the Bonding system and the bonding service are combined together).

The bonded connection combines the bandwidth capacity of each circuit connected to the Bonding system and presents itself to the network via a single cable and public IP address range.

Combined with our data compression, speeds can be several times faster than the combined sum of the underlying connections.

Optional 3G failover can provide your business with a highly redundant solution using multiple technologies for faster more reliable connections.

The Benefits of Broadband Bonding

Bond any type of connection
Combine similar or different types of access technology, including, ADSL, ADSL2+, SHDSL, NBN, etc.

Reduce limitations of Internet technologies
Reduce the impact of contention ratios and distance of DSL connections to the local exchange.

Aggregate multiple connections
Add additional Internet connections as your requirements determine without waiting for infrastructure developments or upgrades.

Higher bandwidth capacity
Increase the capacity of your internet connection, to provide even greater speeds for mission-critical applications.

Internet Resilience - Failover
Ensure a continuous connection with no interruption to services. If an Internet connection fails, Fusions Bonding System will keep you connected through the other active connections, while maintaining a constant IP address. Failover can between wired and wireless 3G connections

Using multiple connections and multiple carriers builds higher performance and increased network resilience. Installation costs are minimised and network changes in most cases are not required. Video, VOIP and larger data transfers are easier and faster. With 4 bonded connections, potential speeds of up to 4 x ADSL2+ can be achieved.

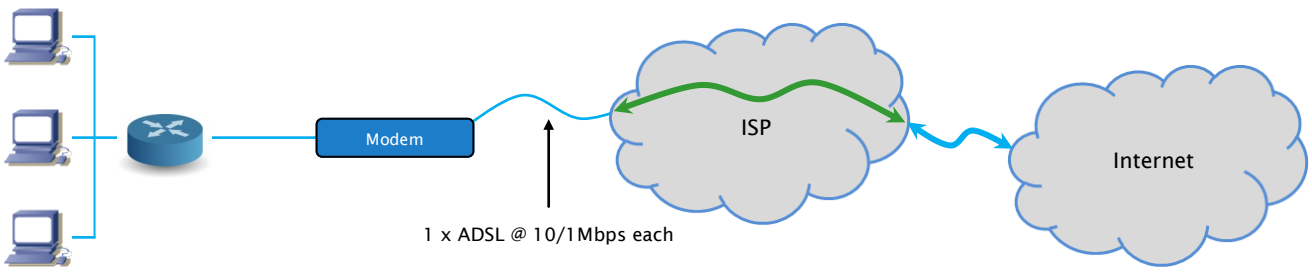
Scalability
Simply add (or remove) Internet connections as your organisation's needs change.

Cost effective
Bond multiple low-cost ADSL connections for high speed and added resilience as an alternative to Ethernet or symmetrical solutions (SHDSL).

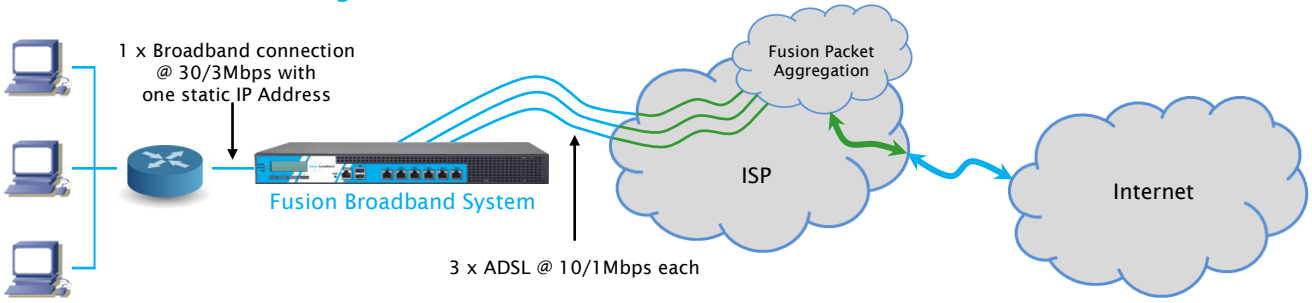
Ease of Access
Available anywhere within the DSL/Broadband footprint within Australia.

SLA
Using multiple carriers gives you the benefit of multiple SLA's.

A Traditional Network Before Bonding



Your Network After Bonding



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