

What is fibre optic broadband?

This is a system of communication based on light traveling through glass fibres over long distances, with minimal loss or interference. The high speed and bandwidth is limited only by the electronics at either end, and it's for this reason that optical fibre is described as future proof. It's also why optic fibre technology will support our ongoing communication needs for generations to come.

How does it compare to current broadband services in my area?

Fibre optic broadband aims to enable speeds of up to 100 Megabits per second, subject to the retail package you choose. This is faster than most broadband speeds and will make it easier for multiple people in one house to be doing multiple things (phone, internet and video) simultaneously.

How do I connect and what will it cost?

There are two elements involved in organising your broadband service: getting the optical fibre connection from NBN Co, and then activating your service through one or more retail service providers. The first step involves a property owner giving their consent so that NBN Co can connect an optical fibre cable from the street to the outside wall of the premises. This connection will be free for a limited time while our construction crews are in the area, after which a connection fee may apply. The second step is choosing from a range of plans offered by the retail service providers who will be competing for your business. You have the option of either going with a single retail service provider or multiple providers.

What is a retail service provider?

A retail service provider is responsible for customer sales and assistance, products, pricing, billing and the customer premise equipment that will enable phone calls, internet and video services for customers connected to the National Broadband Network. Your retail service provider is expected to provide ongoing support and assistance based on your service agreement.

How much will I pay each month for services?

This will depend on the retail service provider and the service you choose. NBN Co will provide wholesale access to retailers which will encourage competition.

Will the NBN affect my current internet or phone service?

The optical fibre connection is completely independent of your current service, so getting a connection now will have no impact on your existing phone or internet arrangements. If you do want to switch over to the superfast broadband you can talk to the retail service providers about what deal suits you and your budget.

Why use fibre optic cable instead of a 100% wireless network?

Wireless and fixed fibre optic cable will be complementary technologies. While wireless has the advantage of mobility, a fixed fibre optic cable provides broadband speeds unaffected by peaks and troughs caused by the number of users in an area and their distance from the base station.

For more information

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**HIGH SPEED FIBRE
OPTIC BROADBAND
IS COMING TO
AITKENVALE AND
MUNDINGBURRA**

Who is NBN Co?

NBN Co was established by the Federal Government to design, build and operate the National Broadband Network (NBN) to enable superfast broadband services to be provided to Australian families and businesses.

NBN Co will provide wholesale access to retailers enabling them to deliver advanced digital services to the nation and encourage competition.

Construction of a fibre optic network is advanced in Tasmania and now five first release sites on the mainland – including where you live – will be the first to benefit from the rollout of the network on the mainland.

Construction is due to commence locally in the second part of this year and be completed in 2011.

What the NBN means to Australians

The NBN is a unique nation-building project that has the potential to lift Australia's productive capacity and ensure we stay at the leading edge of digital communication.

The network will enable leading edge phone, internet and video services at speeds of up to 100 Megabits per second to 90 per cent of Australian premises through optical fibre and up to 12 Megabits per second to the remaining 10 per cent with a combination of wireless and satellite technologies. These speeds are dependent on factors such as the retail package you choose.

The NBN aims to improve the way we connect with each other, from lifestyle and business to health and education. It will assist schools, hospitals, business and government services to reach out and serve the community. The new network can advance the ways people do business, communicate with each other and entertain themselves. Simply put, this will improve the way Australia connects to the world.

THE NBN IS ABOUT IMPROVING THE NATION'S PRODUCTIVITY AND CHANGING THE WAY YOU ACCESS SERVICES, INFORMATION AND ENTERTAINMENT

Better ways of doing business



Improved work/life balance

- High quality video conferencing
- More efficient home offices
- Live market information
- Possibility of expanding into distant markets

Improving health care



Unlimited possibilities

- GPs can collaborate in real time with specialists during patient consultation
- Doctors in other places will be able to assist during surgical procedures
- Remote monitoring of patients

Better access to education



Learn as you like

- Superfast access to media rich educational resources
- Virtual classrooms
- Students and teachers able to remotely attend events like conferences and lectures

Endless entertainment



Fast access to a world of entertainment

- Enjoy more, in more places
- Download your favourite shows, music and games in seconds
- Stay in touch with family and friends
- Scope to easily handle future advances in technology

*A super fast national broadband network.
It's what Australia needs.*

The Local Rollout Plan

Your area is one of the first release sites selected to be connected to the broadband network and benefit from this exciting development.

NBN Co plans to begin early preparation works in your neighbourhood in June 2010 and start construction of the network in the second half of this year. This involves installing a thin optic fibre cable in your street. In some areas the cable will be laid underground. In other cases it will be located on power poles.

You will be offered the opportunity to have your home or business connected to the network. This involves connecting a thin optic fibre cable from the street to your property.

In 2011 new superfast broadband and internet services will be available to connected premises through participating retail service providers. If you accept NBN Co's offer of a free connection, you are under no obligation to order these retail services. It will be up to you.

