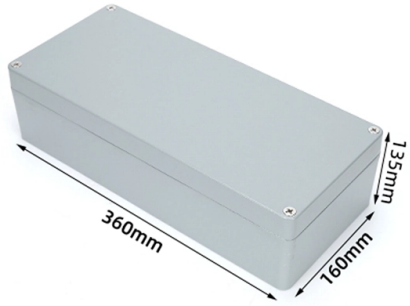
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Home Broadband Port



Overview

All routers have at least one ethernet port. In fact, most routers have two different types of ethernet ports.

Key Takeaways

A home broadband port is the router interface that connects to your ISP, and its type depends on whether you have a copper-based (DSL/FTTC) or full-fibre (FTTP) connection.Understanding Broadband, WAN, and LAN Ports

Broadband Port: This port is typically used for copper-based services, such as DSL or FTTC (Fibre to the Cabinet), and often uses an RJ11 connector. It links your router to the telephone line or master socket provided by your ISP, enabling internet access over traditional phone lines . WAN Port: The Wide Area Network (WAN) port connects your router to external networks, including the internet. For full-fibre (FTTP) connections, the WAN port uses an RJ45 Ethernet cable to connect to the Optical Network Terminal (ONT) on the wall . The WAN port acts as the gateway between your local network and the internet, handling all incoming and outgoing traffic . LAN Ports: Local Area Network (LAN) ports connect devices within your home network, such as computers, smart TVs, or gaming consoles. These ports allow devices to communicate with each other and access the internet through the router .

Key Differences
• Connection Type: Broadband ports are for copper/DSL lines, WAN ports are for Ethernet connections from modems or ONTs.

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• Function: WAN/broadband ports connect your network to the ISP, while LAN ports connect devices internally.

• Cabling: Broadband ports use RJ11, WAN ports use RJ45, and LAN ports also use RJ45.
Practical Setup Tips
• Correct Port Usage: Use the broadband port for DSL/FTTC connections and the WAN port for full-fibre (FTTP) connections .

• Expanding LAN Ports: If you need more LAN ports than your router provides, connect a gigabit unmanaged switch to one of the LAN ports. This allows multiple devices to share the network without affecting the WAN connection .

• Port Forwarding: For home servers or gaming, you may need to configure port forwarding on the WAN port to allow external access to specific devices on your LAN . Using the correct port ensures proper internet connectivity and network performance, while additional switches and proper configuration can maximize your home network's flexibility and speed.

Article Content

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You''ve probably heard you need to forward ports. Perhaps you''ve tried setting up port forwarding but got stuck somewhere and don''t

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If it is “full fibre”, (or FTTP), coming through an ONT, (a box on the wall with lights on it), it must connect to the WAN

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