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## WAN Connections

<https://campus.barracuda.com/doc/72516348/>

The firewall supports all commonly used WAN connection types: static, DHCP, xDSL, Wireless WAN, and ISDN. Link failover and link balancing can be configured either on a per-access-rule basis by using custom connection objects, or in a more basic configuration via route metrics. You can also select different Internet connections based on the application type.

### Static Internet Connections

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If your ISP assigns a static IP address or network to your Internet connection, configure a static Internet connection to connect the firewall to the Internet. You must add a route on the box layer for the network port the ISP is connected to. The connection becomes active either when the assigned IP address or the IP address within the assigned network is configured as a virtual server IP address, or if the unit is remote managed and an additional IP address is defined on box layer.

For more information, see [How to Configure an ISP with Static IP Addresses](#).

### DHCP Connections

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DHCP client connections are similar to xDSL links. To view your DHCP client connections, go to **NETWORK > IPConfiguration** and scroll to the table **Network Interface Configuration**. You can identify a DHCP interface in the column **Link Type/Name** to the right of the **Interface Name**. A maximum number of twelve links can be connected.

For more information, see [How to Configure an ISP with Dynamic IP Addresses \(DHCP\)](#).

### xDSL Connections

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The firewall supports dial-in PPPoE and PPTP connections using an external DSL modem. Four parallel xDSL connections are supported for the external DSL modem. Ports ppp1 - ppp4 are reserved for xDSL connections.

For more information, see [xDSL WAN Connections](#).

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## Wireless WAN Connections

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Wireless WAN connections are ideal for backup lines or for use in mobile offices or locations with no terrestrial Internet links. To use all WWAN features of the firewall, it is recommended that you use the Barracuda Networks WWAN Modem.

For information on setting up the Barracuda USB modem, see the [Barracuda USB Modem Quick Start Guide \(PDF\)](#).

For information on how to configure WWAN connections, see [How to Configure an ISP using a WWAN Modem](#).

## Link Balancing and Failover

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Configure link balancing and failover to optimize usage of two or more WAN connections. Use custom connection objects to select the optimal connection for the traffic handled by that access rule. You can define multiple connection objects, each with a different failover or link balancing policy. You can also use route metrics for basic link failover functionality.

For information on link balancing for multiple WAN connections, see [How to Configure Link Balancing and Failover for Multiple WAN Connections](#).

For information on link balancing for multiple DHCP or xDSL connections, see [How to Configure Failover with Multiple xDSL or DHCP WAN Connections](#).

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