

Interfaces / WAN (alc0)



General Configuration	
Enable	<input checked="" type="checkbox"/> Enable interface
Description	<div>WAN</div> <p>Enter a description (name) for the interface here.</p>
IPv4 Configuration Type	<div>DHCP</div>
IPv6 Configuration Type	<div>DHCP6</div>
MAC Address	<div>xx:xx:xx:xx:xx:xx</div> <p>This field can be used to modify ("spoof") the MAC address of this interface. Enter a MAC address in the following format: xx:xx:xx:xx:xx:xx or leave blank.</p>
MTU	<div></div> <p>If this field is blank, the adapter's default MTU will be used. This is typically 1500 bytes but can vary in some circumstances.</p>
MSS	<div></div> <p>If a value is entered in this field, then MSS clamping for TCP connections to the value entered above minus 40 for IPv4 (TCP/IPv4 header size) and minus 60 for IPv6 (TCP/IPv6 header size) will be in effect.</p>

Speed and Duplex

Default (no preference, typically autoselect) ▼

Explicitly set speed and duplex mode for this interface.

WARNING: MUST be set to autoselect (automatically negotiate speed) unless the port this interface connects to has its speed and duplex forced.

DHCP Client Configuration**Options**☐ Advanced Configuration

Use advanced DHCP configuration options.

☐ Configuration Override

Override the configuration from this file.

Hostname

MypfSense

The value in this field is sent as the DHCP client identifier and hostname when requesting a DHCP lease. Some ISPs may require this (for client identification).

Alias IPv4 address

192.168.10.1

/

24 ▼

The value in this field is used as a fixed alias IPv4 address by the DHCP client.

Reject leases from

To have the DHCP client reject offers from specific DHCP servers, enter their IP addresses here (separate multiple entries with a comma). This is useful for rejecting leases from cable modems that offer private IP addresses when they lose upstream sync.

DHCP6 Client Configuration**Options**☐ Advanced Configuration

Use advanced DHCPv6 configuration options.

☐ Configuration Override

Override the configuration from this file.

Use IPv4 connectivity as parent interface☐ Request a IPv6 prefix/information through the IPv4 connectivity link

Request only an IPv6 prefix	<input type="checkbox"/> Only request an IPv6 prefix, do not request an IPv6 address
DHCPv6 Prefix Delegation size	<div><div>64</div><div>▼</div></div> <p>The value in this field is the delegated prefix length provided by the DHCPv6 server. Normally specified by the ISP.</p>
Send IPv6 prefix hint	<input type="checkbox"/> Send an IPv6 prefix hint to indicate the desired prefix size for delegation
Debug	<input type="checkbox"/> Start DHCP6 client in debug mode
Do not wait for a RA	<input type="checkbox"/> Required by some ISPs, especially those not using PPPoE
Do not allow PD/Address release	<input type="checkbox"/> dhcp6c will send a release to the ISP on exit, some ISPs then release the allocated address or prefix. This option prevents that signal ever being sent

Reserved Networks

Block private networks and loopback addresses	<input type="checkbox"/> <p>Blocks traffic from IP addresses that are reserved for private networks per RFC 1918 (10/8, 172.16/12, 192.168/16) and unique local addresses per RFC 4193 (fc00::/7) as well as loopback addresses (127/8). This option should generally be turned on, unless this network interface resides in such a private address space, too.</p>
Block bogon networks	<input checked="" type="checkbox"/> <p>Blocks traffic from reserved IP addresses (but not RFC 1918) or not yet assigned by IANA. Bogons are prefixes that should never appear in the Internet routing table, and so should not appear as the source address in any packets received. This option should only be used on external interfaces (WANs), it is not necessary on local interfaces and it can potentially block required local traffic.</p>

Note: The update frequency can be changed under System > Advanced, Firewall & NAT settings.



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