

S3290 Manual Update

Configuring a Default Gateway

The following information is to be included with the S3290 Web User Guide.

IP Configuration

Configure the S3290-managed IPv4 information from **Configuration > System > IP** as one of the first steps. The S3290 supports an IPv4 / IPv6 dual stack. The S3290 can be assigned IP address statically or dynamically using DHCP. Here you can configure IP basic settings, IP interfaces and IP routes. Up to 8 interfaces and up to 32 routes are supported.

IP Routes

Click the **Add Route** button to display the editable fields:

IP Routes

Delete	Network	Mask Length	Gateway	Next Hop VLAN
Delete	0.0.0.0	0	10.0.1.1	0

Add Route

Delete

Select this option to delete an existing IP route.

Network

The destination IP network or host address of this route. Valid format is dotted decimal notation or a valid IPv6 notation. A default route can use the value `0.0.0.0` or IPv6 `::` notation.

Mask Length

The destination IP network or host mask, in number of bits (*prefix length*). It defines how much of a network address that must match, in order to qualify for this route. Valid values are `0` - `32` bits for IPv4 routes or `0` - `128` for IPv6 routes. Only a default route will have a mask length of `0` (as it will match anything).

Gateway

The IP address of the IP gateway. Valid format is dotted decimal notation or a valid IPv6 notation. The Gateway and Network must be of the same type.

It may be necessary to add a static route if a default gateway is required or if the device does not reside within the same network. Routing can then be enabled at **System > IP > IP Configuration**. See the *Static IP Routing (SIR) User Guide*, 33542 for the Static Routing function descriptions and procedures.

A default route (AKA, *gateway of last resort*) is the network route used by a router when no other known route exists for an IP packet's destination address (**Network = 0.0.0.0**, **Mask Length = 0**, **Gateway 10.0.1.1** as shown above).