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:

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).