

Association of Vega gateways with FreePBX/PBXact

In order to manage Vega gateways with FreePBX/PBXact Vega gateway module, we need to associate Vega gateways to the PBX.

We have below two ways of adding a Vega gateways to the PBX

- [Network Discovery](#)
 - [Network Scan](#)
 - [Discovered Vega Listing](#)
- [Manually Adding a Vega gateway to FreePBX or PBXact](#)

Network Discovery

Network Scan

PBX Vega module main landing page has an option to perform "Network Discovery" of Vega gateways in customer provided subnet as described in below screenshot.

- Network Scan We need to provide "subnet" Vega gateway user and password details in order to connect to Vega gateways present in .
- (Default username and password are **admin** and **admin**).

Vega Scan

Network scan might take a few minutes as it will try to fetch the information from each discovered Vega gateways.

The screenshot shows the Vega Gateway Manager web interface. At the top, there is a navigation menu with tabs for Admin, Applications, Connectivity, Dashboard, Reports, Settings, and UCP. Below the navigation, the main heading is "Vega Gateway Manager". A search bar is present with the text "Q Discovery" and a search icon. Below the search bar is a table with columns: IP, Mac, Model, Running Firmware, Status, and Action. The table currently displays "No matching records found".

A modal window titled "Network Scan" is open, containing the following fields:

- Scan this Subnet(x.x.x.x/x): 192.168.3.0/24
- Vega Login User: admin
- Vega Login Password: admin

A "Start Scan" button is located at the bottom of the modal window. A blue arrow points from the "Q Discovery" button in the main interface to the "Network Scan" modal window.

At the bottom of the page, there are logos for FreePBX and SANGOMA, along with copyright information: "FreePBX is a registered trademark of Sangoma Technologies Inc. FreePBX 14.0.1.4 is licensed under the GPL. Copyright© 2007-2017. Page loaded in: 0.6531s".

Discovered Vega Listing

Once network scanning is over, the PBX Vega Module will display list of available gateways as described in below screenshot -

From here, we can perform following two operations -

- 1) Configure Vega Gateways - We can proceed with configuration of Vega Gateways by selecting "Configure" action against each Vega gateway. Refer to "Configuration" section.
- 2) Firmware Upgrade - We can upgrade the firmwares to selected Vega gateways by selecting "Upgrade firmware" action. Refer to "Vega Firmware" section.

192.168.3.140/admin/config.php?display=vega

Admin Applications Connectivity Dashboard Reports Settings UCP

Discovered Vega Gateways

Discovered Vega Gateways ?

Upgrade Firmware

IP	Mac	Model	Running Firmware	Available Firmware	Configure
<input type="checkbox"/> 192.168.3.183	005058206008	3050G	VEGAARM_R111S015	Select	
<input type="checkbox"/> 192.168.3.160	0050582067ec	60G	VEGAARM_R111S014	Select	
<input type="checkbox"/> 192.168.3.103	0050582032e6	100G	VEGA_R111S014.r2.3a	Select	
<input type="checkbox"/> 192.168.3.123	005058206844	60G	VEGAARM_R111S015	Select	
<input type="checkbox"/> 192.168.3.107	0050582033e8	400G	VEGA_R111S000a	Select	
<input type="checkbox"/> 192.168.3.100	0050582033e6	400G	VEGA_R111S014	Select	
<input type="checkbox"/> 192.168.3.152	005058206862	60G	VEGAARM_R1205001b	Select	
<input type="checkbox"/> 192.168.3.195	0050582056d4	High	VEGAARM_R111S015	Select	

Showing 1 to 8 of 8 rows

Manually Adding a Vega gateway to FreePBX or PBXact

The Vega module main landing page has an option to perform "Add Vega" as described in below screenshot.

Admin Applications Connectivity Dashboard Reports Settings UCP

Vega Gateway Manager

What is Vega Gateway Manager ?

Add Vega | Discovery | Firmware Upgrade

Quick Vega Add

- Discover
- Configure

IP	Mac	Model	Running Firmware	Action
No				

Discover

Vega IP

Vega IP Address Type: External/Public Lan

Vega SSH Port

Vega Login User

Vega Login Password

Previous Discover Configure

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- Enter in the details for "Vega IP", "Vega Login User" and "Vega Login Password" (The default User and Password is **admin** and **admin**)
- Vega SSH port (default to 22). In case of NAT environment, this should be publicly exposed SSH Port.
- Vega IP address type selection which could be LAN in case of local lan connectivity between Pbx and Vega Or External/Public if Pbx and Vega is getting exposed to public ip.

- "Select "Discover"

The PBX Vega Gateway module will then automatically synchronize with the Vega Gateway described above and will display a screen, similar to the screenshot below:

Quick Vega Add ×

1 Discover **2 Configure**

Configure

Vega Serial	<input type="text" value="0050582033e6"/>
Vega Model	<input type="text" value="400G"/>

Previous Discover Configure

The Vega Gateway serial and model number is fetched from Vega Gateways

With the Vega Gateway now connected to FreePBX / PBXact, proceed with configuration of Vega gateway. Refer to "Configuration" section.