

4.2.5 System Configuration Options

1. Click the **Network** tab. The **System Configuration** screen displays.

Phocus Array™
by Fidelity Comtech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 2:29
Load: 0.01, 0.02, 0.00

Info Graphs Status Log System **Network** PhocusArray - Logout

Configuration Wireless DHCP Server Hosts Tweaks

System Configuration

System Configuration AP Bridge

Instructions to Modify Configuration:
 1) Select System Configuration, IP addresses, etc.
 2) Press "Save Changes"
 3) **PRESS "APPLY CHANGES" TO MAKE CHANGES TAKE EFFECT**
 4) Turn on the radio by modifying settings on the Network: Wireless page.
[Popup System Configurations Examples.](#)

Interface 1 Configuration

Wired/Wireless

IP Address

Netmask

IP Address:
This is the IP address for this interface

Netmask:
This bitmask indicates what addresses are included on this interface. (e.g. 255.255.255.0)

Gateway

Default Gateway

DNS Servers

Note:
You need save your settings on this page before adding/removing DNS servers

Figure 17 – System Configuration

Use the **System Configuration** drop-down list to select the basic operating mode for the system. The number of interfaces to administer (wired/wireless) and the sequence in which they are listed changes according to which system configuration you select.

Selecting **AP Bridge**, as shown above, results in only a single wired/wireless interface, whereas selecting **AP Router** results in two interfaces, one wired and one wireless.

Caution: The sequence of types of interfaces displayed changes when you select a different **System Configuration**. Please re-verify that the **IP Address**, etc. is correct for each wired and wireless interface before saving and applying changes. If you apply changes to the system with incorrect IP addresses, this can render the Phocus Array system inoperable and require extensive work to recover the system.

2. Enter the correct IP Addresses in the **Wireless Interface** and **Wired Interface** fields. Click the **Popup System Configurations Examples** link under the **System Configuration** section for detailed descriptions of the configuration options.

Caution: The relative positions of the **Wireless** and **Wired** interfaces change when the **System Configuration** is changed from **AP Router** or **Ad Hoc Router** to **Client Router**. Always check the IP Address and other settings.

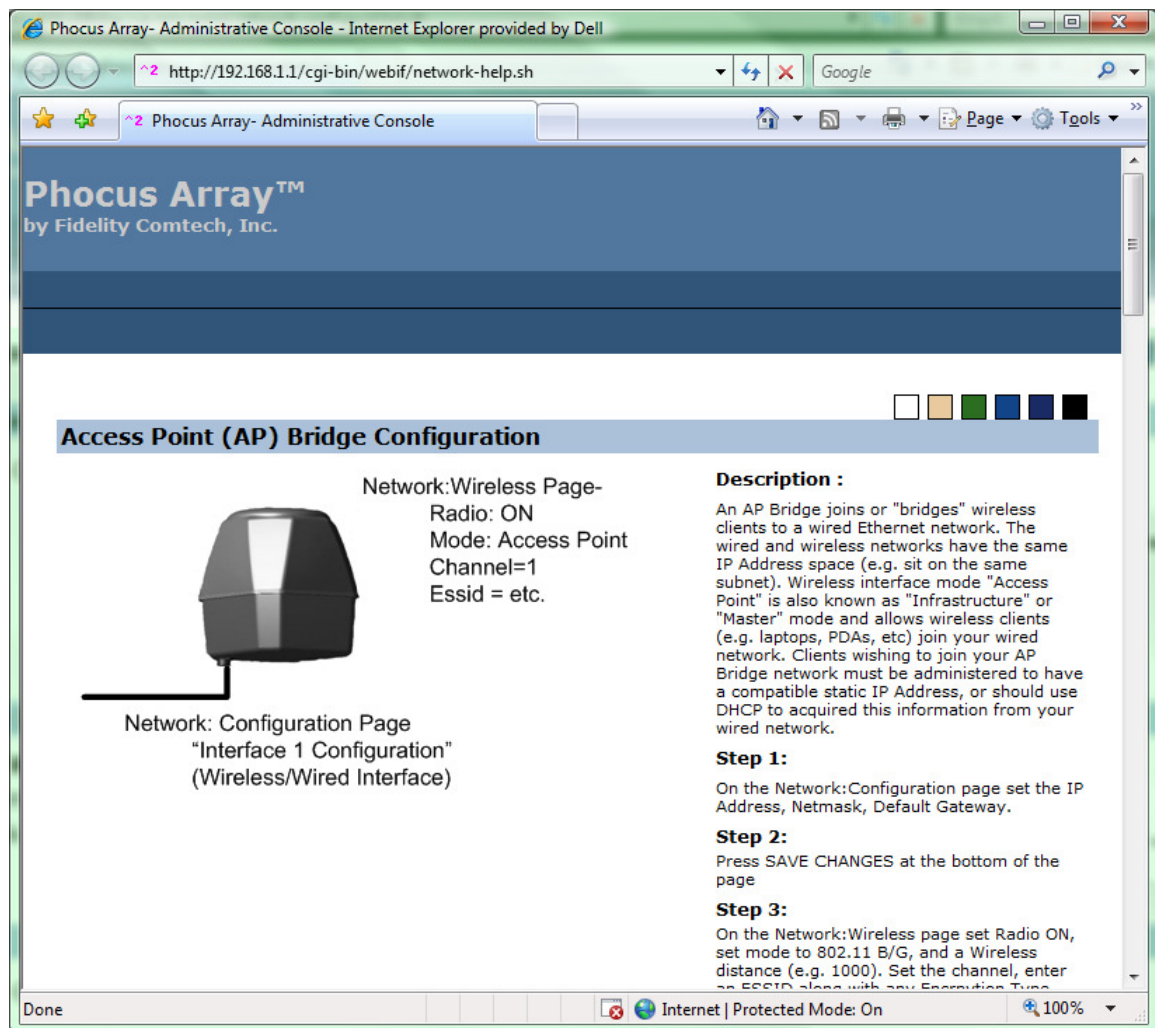


Figure 18 – System Configurations Examples

3. Select the desired configuration from the **System Configuration** drop-down list.

AP Bridge has only one interface to configure.

- a. Under **Interface 1 Configuration**, you can see fields for the **IP Address** and **Netmask** of the interface. These may be configured if desired.
- b. Click the **Save Changes** button.
- c. Click **Apply Changes**.

Note: When these changes are applied to the wired network, the IP address of the Phocus Array System will change, requiring reconfiguration of your administration computer or network to continue communicating with the Phocus Array System.

Phocus Array™
by Fidelity Comtech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 2:29
Load: 0.01, 0.02, 0.00

Info Graphs Status Log System Network PhocusArray - Logout

Configuration Wireless DHCP Server Hosts Tweaks

System Configuration

System Configuration AP Bridge

Instructions to Modify Configuration:
 1) Select System Configuration, IP addresses, etc.
 2) Press "Save Changes"
 3) **PRESS "APPLY CHANGES" TO MAKE CHANGES TAKE EFFECT**
 4) Turn on the radio by modifying settings on the Network: Wireless page.
[Popup System Configurations Examples.](#)

Interface 1 Configuration

Wired/Wireless

IP Address: 192.168.1.1

Netmask: 255.255.255.0

IP Address:
This is the IP address for this interface

Netmask:
This bitmask indicates what addresses are included on this interface. (e.g. 255.255.255.0)

Gateway

Default Gateway: 192.168.1.1

DNS Servers

Note:
You need save your settings on this page before adding/removing DNS servers

Figure 19 – System Configuration Options

Caution: Optional **DNS Servers** settings should be saved **after** saving changes for **System Configuration** and **Interfaces**. If you accidentally added DNS servers out of order, simply click the **Remove** button to eliminate DNS servers. You may then administer the interfaces, save changes, and add DNS servers.

AP Router

- Under **Interface 1 Configuration**, enter the **IP Address** for the **Wireless Interface**.
- Under **Interface 2 Configuration**, enter the **IP Address** for the **Wired Interface**.
- Click the **Save Changes** button.
- Click **Apply Changes**.

Phocus Array™
by Fidelity ComTech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 2:14
Load: 0.00, 0.00, 0.00

Info Graphs Status Log System Network PhocusArray - Logout

Configuration Wireless DHCP Server Hosts Tweaks

System Configuration

System Configuration AP Router

Instructions to Modify Configuration:
 1) Select System Configuration, IP addresses, etc.
 2) Press "Save Changes"
 3) **PRESS "APPLY CHANGES" TO MAKE CHANGES TAKE EFFECT**
 4) Turn on the radio by modifying settings on the Network/Wireless page.
[Popup System Configurations Examples.](#)

Interface 1 Configuration

Wireless Interface

IP Address

Netmask

IP Address:
This is the IP address for this interface

Netmask:
This bitmask indicates what addresses are included on this interface (e.g. 255.255.255.0)

Interface 2 Configuration

Wired Interface

DHCP Service None - Static IP

IP Address

Netmask

DHCP Service:
 Select "DHCP Client" to have this interface acquire an IP Address, Netmask, etc from your network DHCP server.
 Select "None - Static IP" to enter a fixed IP address and netmask.

Gateway

Default Gateway

Figure 20 – AP Router Configuration

Client Router

Note: The relative positions of the **Wireless** and **Wired** interfaces change when the **System Configuration** is changed from **AP Router** or **Ad Hoc Router** to **Client Router**. Always check the **IP Address** and other settings. Enter the correct **IP Addresses** in the **Wireless Interface** and **Wired Interface** fields.

- Under **Interface 1 Configuration**, enter the **IP Address** for the **Wired Interface**.
- Under **Interface 2 Configuration**, enter the **IP Address** for the **Wireless Interface**.
- Click the **Save Changes** button.
- Click **Apply Changes**.

The screenshot displays the Phocus Array web interface for system configuration. The top navigation bar includes links for Info, Graphs, Status, Log, System, Network, PhocusArray, and Logout. The main content area is titled 'System Configuration' and contains several sections:

- System Configuration:** A dropdown menu is set to 'Client Router'. To the right, 'Instructions to Modify Configuration' are listed, including steps to select system configuration, save changes, apply changes, and turn on the radio by modifying settings on the Network/Wireless page.
- Interface 1 Configuration:** This section is for the 'Wired Interface'. It includes fields for 'IP Address' (192.168.100.1) and 'Netmask' (255.255.255.0). To the right, 'IP Address' and 'Netmask' definitions are provided.
- Interface 2 Configuration:** This section is for the 'Wireless Interface'. It includes a 'DHCP Service' dropdown set to 'None - Static IP', and fields for 'IP Address' (10.12.140.223) and 'Netmask' (255.255.255.0). To the right, 'DHCP Service' instructions are provided.
- Gateway:** A field for 'Default Gateway' is set to 10.12.140.1.

The interface also features a color calibration bar on the right side of the configuration sections.

Figure 21 – Client Router Configuration

Ad Hoc Router

Note: The relative positions of the **Wireless** and **Wired** interfaces change when the **System Configuration** is changed from **Client Router** to **Ad Hoc Router** or **AP Router**. Always check the **IP Address** and other settings. Enter the correct **IP addresses** in the **Wireless Interface** and **Wired Interface** fields.

- Under **Interface 1 Configuration**, enter the **IP Address** for the **Wireless Interface**.
- Under **Interface 2 Configuration**, enter the **IP Address** for the **Wired Interface**.
- Click the **Save Changes** button.
- Click **Apply Changes**.

The screenshot displays the Phocus Array web interface. The top navigation bar includes links for Info, Graphs, Status, Log, System, Network, PhocusArray, and Logout. The main content area is titled 'System Configuration' and contains several sections:

- System Configuration:** A dropdown menu is set to 'Ad Hoc Router'. To the right, 'Instructions to Modify Configuration' are listed, including steps to select system configuration, save changes, apply changes, and turn on the radio.
- Interface 1 Configuration:** This section is for the 'Wireless Interface'. It includes input fields for 'IP Address' (192.168.100.1) and 'Netmask' (255.255.255.0). To the right, definitions for 'IP Address' and 'Netmask' are provided.
- Interface 2 Configuration:** This section is for the 'Wired Interface'. It includes a 'DHCP Service' dropdown set to 'None - Static IP', and input fields for 'IP Address' (10.12.140.223) and 'Netmask' (255.255.255.0). To the right, 'DHCP Service' instructions are provided.
- Gateway:** A section for the 'Default Gateway' with an input field containing '10.12.140.1'.

Figure 22 – Ad Hoc Router Configuration

4.2.6 Wireless Adapter Configuration

1. Click **Wireless** in the **Network** menu bar.
2. Enter the **Wireless Adapter** configuration.
3. Enter the **ESSID** configuration.
4. Select the **Encryption Type** from the drop-down list.
5. Enter the **Passphrase** (for WEP).
6. Enter the **WEP Key** or **WEP PSK** in the appropriate field.
7. Click the **Save Changes** button.
8. Click **Apply** Changes.

Caution: Modification of the **Encryption Type** requires the Phocus Array System to be rebooted. After saving and applying changes, you must reboot the system for the new encryption settings to take effect.

9. Click **Reboot** in the **System** menu bar.
10. Click **Yes, really reboot now**. The system will be taken out of service for about two minutes when rebooted. It boots to the last saved/applied configuration.

Phocus Array™
by Fidelity Comtech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 2:22
Load: 0.00, 0.00, 0.00

Info Graphs Status Log System Network PhocusArray Logout

Configuration Wireless DHCP Server Hosts Tweaks

Wireless Configuration

Wireless Adapter wifi0 Configuration

Radio: On
Mode: 802.11B
Channel: 9
Wireless Distance (in Meters): 10000
Monitor Wired Connection: Off

Atheros Wireless Configuration:
Wireless Distance:
You must enter a number that is the distance of your longest link.
Monitor Wired Interface:
Enabling this option provides periodic monitoring of the wired interface. Should the wired interface become non-functional, the wireless interface will become disabled.

Wireless Virtual Adaptor Configuration for Wireless Card wifi0

ESSID Broadcast: Show
ESSID: FCI_THUNDER
Encryption Type: WEP
Passphrase: thequickbrownfox
Generate 40bit Keys Generate 128bit Key
WEP Key 1: 5f6d7f3595ffc1ab9d6
WEP Key 2:
WEP Key 3:
WEP Key 4:
Save Changes

Background Client Scanning:
Enables or disables the ability of a virtual interface to scan for other access points while in client mode. Disabling this allows for higher throughput but keeps your card from roaming to other access points with a higher signal strength.
Encryption Type:
To use WEP (open mode): (1) Select WEP from Encryption Type.
2) Enter Passphrase text.
3) Press "Generate 40bit Keys" or "Generate 128bit Key".
4) Select one of Key 1 to Key 4 -- Optionally you may enter a custom hex key in the the selected text box but please ensure it is the correct length. i.e. 128bit keys are 26 characters long with values of 0-9,a-f, e.g. 11223344556677889900aabbcc, 40bit keys are 10 characters (note you still have to do steps 2) and 3).
5) Press Save Changes.
6) Press Apply Changes
Note: WPA/WPA2 (PSK) is not available in Ad-Hoc mode.

Figure 23 – Wireless Configuration – WEP

4.2.7 DHCP Server Configuration (optional)

The system can be configured to serve DHCP information (e.g. IP address) to the LAN by enabling the DHCP server. The LAN in this case would be the **Wireless Interface** for a system configuration of **AP Router** or **Ad Hoc Router**, or **Wired Interface** for a system configuration of **Client Router**. DHCP server is not available for the **AP Bridge** configuration.

1. Click **DHCP Server** in the **Network** menu bar.
2. Select **Enabled** from the **DHCP Service** drop-down list.
3. Enter the **DHCP Server** configuration.
4. Click the **Save Changes** button.
5. Click **Apply Changes**.

The screenshot shows the Phocus Array web interface for DHCP Server Configuration. The header includes the Phocus Array logo and system status (v2.1 beta, Host: phocusarray, Uptime: 2:35, Load: 0.00, 0.00, 0.00). The navigation bar has tabs for Info, Graphs, Status, Log, System, Network, PhocusArray, and Logout. Below the navigation bar, the 'DHCP Server' tab is selected. The main content area is titled 'DHCP Server Configuration' and features a 'DHCP Server For LAN' section. This section contains a table with the following fields:

DHCP Server For LAN	
DHCP Service	Disabled ▼
DHCP Range Start	150
DHCP Range End	199
DHCP Default Lease Minutes	600
DHCP Max Lease Minutes	7200

At the bottom right of the configuration area, there is a 'Save Changes' button. Below the configuration area, there are three links: 'Apply Changes <<', 'Clear Changes <<', and 'Review Changes <<'. The footer of the page displays the URL 'http://www.fidelity-comtech.com'.

Figure 24 – DHCP Server Configuration

4.2.8 Adding Hosts (optional)

1. Click **Hosts** in the **Network** menu bar.
2. To add a device to the network, enter the **IP Address** and the **Host Name**.
3. Click the **Add** button.
4. Click the **Save Changes** button.
5. Click Apply Changes.
6. To add **Static IP Addresses (for DHCP)**, enter the device's **MAC Address** and **IP Address**.
7. Click the **Add** button.
8. Click the **Save Changes** button.
9. Click **Apply Changes**.

Phocus Array™
by Fidelity Comtech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 2:36
Load: 0.00, 0.00, 0.00

Info Graphs Status Log System Network PhocusArray - Logout

Configuration Wireless DHCP Server Hosts Tweaks

Configured Hosts

Host Names

IP Address	Host Name	
127.0.0.1	localhost	Remove
<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>

Host Names:
The file /etc/hosts is used to look up the IP address of a device connected to a computer network. The hosts file describes a many-to-one mapping of device names to IP addresses. When accessing a device by name, the networking system attempts to locate the name within the hosts file before accessing the Internet domain name system.

Static IP addresses (for DHCP)

MAC Address	IP Address	
<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>

Static IP addresses:
The file /etc/ethers contains database information regarding known 48-bit ethernet addresses of hosts on an Internetwork. The DHCP server uses the matching IP address instead of allocating a new one from the pool for any MAC address listed in this file.

Active DHCP Leases

MAC Address	IP Address	Name	Expires in
There are no known DHCP leases.			

[Save Changes](#)

[Apply Changes <](#)
[Clear Changes <](#)
[Review Changes <](#)

<http://www.fidelity-comtech.com>

Figure 25 – Adding Hosts

4.2.9 Antenna Configuration

1. Use the **PhocusArray** screens to configure the behavior of the antenna and to monitor the stations associated with the unit.
2. Click the **PhocusArray** tab. The **Configure Antenna** screen displays.
3. Select the desired **Antenna Mode** from the drop-down list.
4. Set the **Sweep Interval**, if desired.
5. Click the **Save Changes** button.
6. Click **Apply Changes**.

Phocus Array™
by Fidelity Comtech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 2:37
Load: 0.03, 0.02, 0.00

Info Graphs Status Log System Network **PhocusArray** - Logout

Configure Antenna Monitor Stations Manage Stations Upload Patterns

Configure Antenna

Set Beamsteering Mode

Antenna Mode: **Dynamic**

- Dynamic
- Omni, 0 Phase
- Cophase 0 deg
- Cophase 22.5 deg
- Cophase 45 deg
- Cophase 67.5 deg
- Cophase 90 deg
- Cophase 112.5 deg
- Cophase 135 deg
- Cophase 157.5 deg
- Cophase 180 deg
- Cophase 202.5 deg
- Cophase 225 deg
- Cophase 247.5 deg
- Cophase 270 deg
- Cophase 292.5 deg
- Cophase 315 deg
- Cophase 337.5 deg

Phocus Array Antenna Modes:
The "Dynamic" mode causes the Phocus Array to point the antenna toward the station to which it is transmitting the current packet. All other modes are static and are described in the pull down menu.

Set Sweep Interval

Sweep Interval:

Sweep Interval:
In order to work in Dynamic mode, the Phocus Array must keep track of the direction of each station. The Sweep Interval is how often (in seconds) this check is made.

[Save Changes](#)

[Apply Changes <<](#)
[Clear Changes <<](#)
[Review Changes <<](#)

<http://www.fidelity-comtech.com>

Figure 26 – Configure Antenna

Once the above steps have been completed, a wireless client should be able to find and associate the Phocus Array System in AP mode.

4.2.10 Manage Stations (optional)

To help monitor associations with Phocus Array System, associated stations can be named using the Manage Station page. While a client is associated with the system, it can be assigned a name that will be displayed on the Monitor Stations page. If the station disassociates the name will be retained internally in the system and will automatically reappear if the same wireless MAC Address again associates with the system

This is a useful security feature because new, possibly unauthorized, stations will appear as a MAC Address (without a name). A system administrator would easily recognize “unnamed” associated stations as potential security risk.

1. Click **Manage Stations** in the **PhocusArray** menu.
2. Enter the **MAC** address and a **Nickname** for each Phocus Array station.
3. Click the **Save Changes** button.
4. Click **Apply Changes**.

Phocus Array™
by Fidelity Comtech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 2:38
Load: 0.02, 0.02, 0.00

Info Graphs Status Log System Network PhocusArray - Logout

Configure Antenna Monitor Stations **Manage Stations** Upload Patterns

Manage Stations

Manage Associated Stations

MAC Nickname

Nicknames for Stations:
To make it easier to visualize what is happening, the interface makes it possible to create a nickname that is associated with a particular MAC address.

Save Changes

Apply Changes <<
Clear Changes <<
Review Changes <<

<http://www.fidelity-comtech.com>

Figure 27 – Manage Stations

5 Using the Administrative Console

This section discusses the Administrative Console for the Phocus Array System. For a quick start guide to simply getting a Phocus Array System up and running on a network, refer to Section 4, *Configuration and Software Setup*.

Most common tasks can be performed using the Administrative Console for the Phocus Array System, making it the preferred method to access the system. Common tasks include:

- Installation and setup of the wireless and network parameters
- Monitoring client associations

5.1 Using the Administrative Console

To access the console, perform steps 1 through 4 in Section 4.2 (pages 30 through 27).

There are seven different categories of settings, each accessible from a tab at the top of the page. Most categories have several menu options, accessible from the menu bar just below the tabs. These options are discussed in the following sections.

- **Info** – System, About
- **Graphs** – CPU, Traffic IO, Traffic eth0, Traffic eth1, Traffic br-lan, Traffic wifi0
- **Status** – System, Processes, Interfaces, DHCP Clients, Netstat, Iptables
- **Log** – Syslog Settings, Syslog, Kernel
- **System** – Settings, Password, Backup and Restore, Upgrade, Reboot
- **Network** – Configuration, Wireless, DHCP Server, Hosts, Tweaks
- **PhocusArray** – Configure Antenna, Monitor Stations, Manage Stations, Upload Patterns
- **Logout**

5.2 Info Tab

The **Info** menu contains the following tabs:

- **System** – system information
- **About** – information about Release 2.1

5.2.1 System

The screen displays complete system information on hardware and software.

Phocus Array™
by Fidelity Comtech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 2:15
Load: 0.00, 0.00, 0.00

Info Graphs Status Log System Network PhocusArray - Logout

System About

System Information

Firmware Phocus Array - v2.1 beta
Kernel Linux 2.6.19.2 #1 Tue Jun 26 13:00:23 MDT 2007
MAC 00:50:C2:00:00:88
Device FCI Merlin
Model FCI-3000-x
Username admin

Web mgt. console Webif2
Revision r221

T/R Modules:

TR0:	V2.9, Date 02/23/07, Time 13:27:01	Serial No: 0507ABCD-130
TR1:	V2.9, Date 02/23/07, Time 13:27:01	Serial No: 0507ABCD-132
TR2:	V2.9, Date 02/23/07, Time 13:27:01	Serial No: 0507ABCD-133
TR3:	V2.9, Date 02/23/07, Time 13:27:01	Serial No: 0507ABCD-134
TR4:	V2.9, Date 02/23/07, Time 13:27:01	Serial No: 0507ABCD-138
TR5:	V2.9, Date 02/23/07, Time 13:27:01	Serial No: 0507ABCD-137
TR6:	V2.9, Date 02/23/07, Time 13:27:01	Serial No: A0703-239
TR7:	V2.9, Date 02/23/07, Time 13:27:01	Serial No: A0703-238

<http://www.fidelity-comtech.com>

Apply Changes «
Clear Changes «
Review Changes «

Figure 28 – Info > System: System Information

5.2.2 About

The screen displays a continuous scrolling list of information about Release 2.1, including **Contact** information and **Webif2 Credits**.

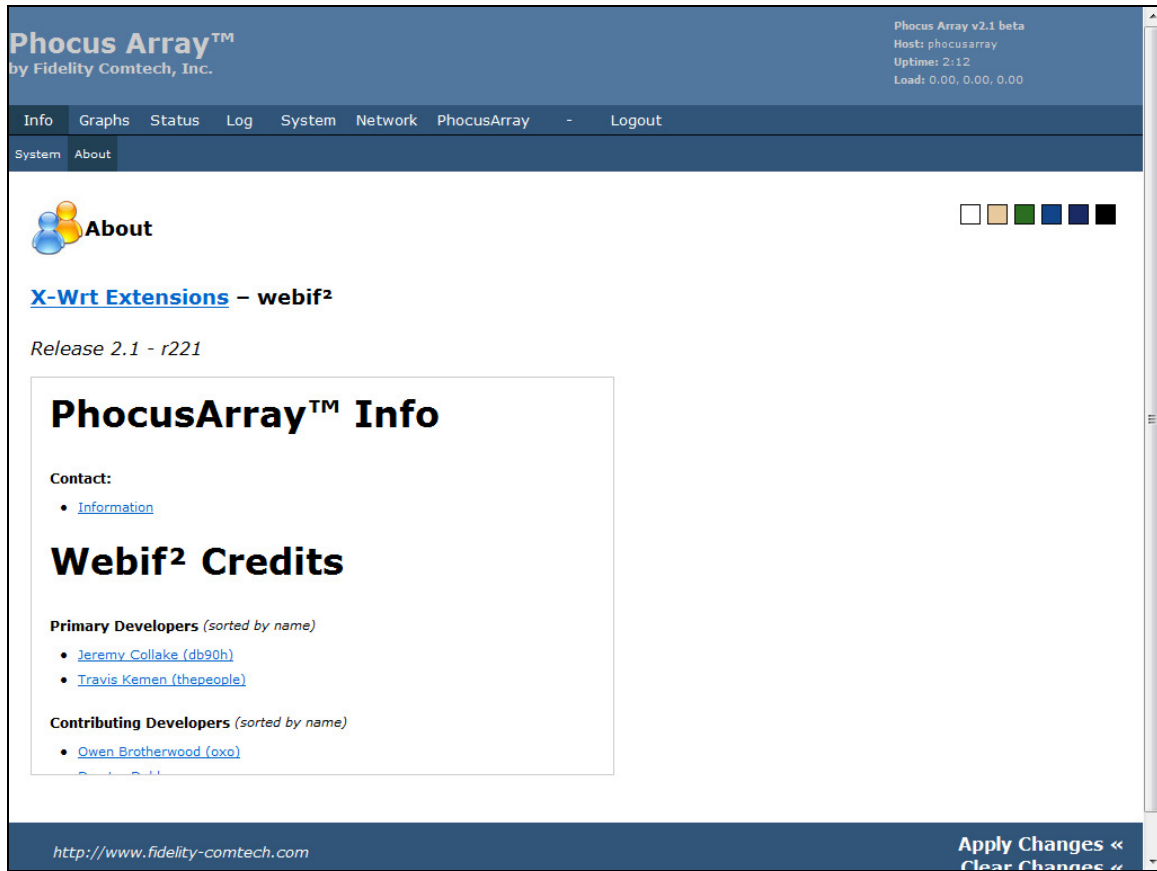


Figure 29 – Info > About

5.3 Graphs Tab

The **Graphs** menu contains the following tabs:

- **CPU** –shows CPU utilization
- **Traffic lo** – shows traffic on the local loopback interface and can be ignored.
- **Traffic eth0** – shows traffic on the wired interface.
- **Traffic eth1** – should be ignored.
- **Traffic br-lan** – if configured as an AP bridge, shows traffic passing through the bridge..
- **Traffic wifi0** – shows wireless interface traffic.
- **Traffic ath0** – shows same graph as **wifi0**.

Note: These graphs require SVG capability from your browser. To display the graphs you must use a browser that supports SVG, such as Mozilla Firefox 2.0.

5.3.1 CPU Usage

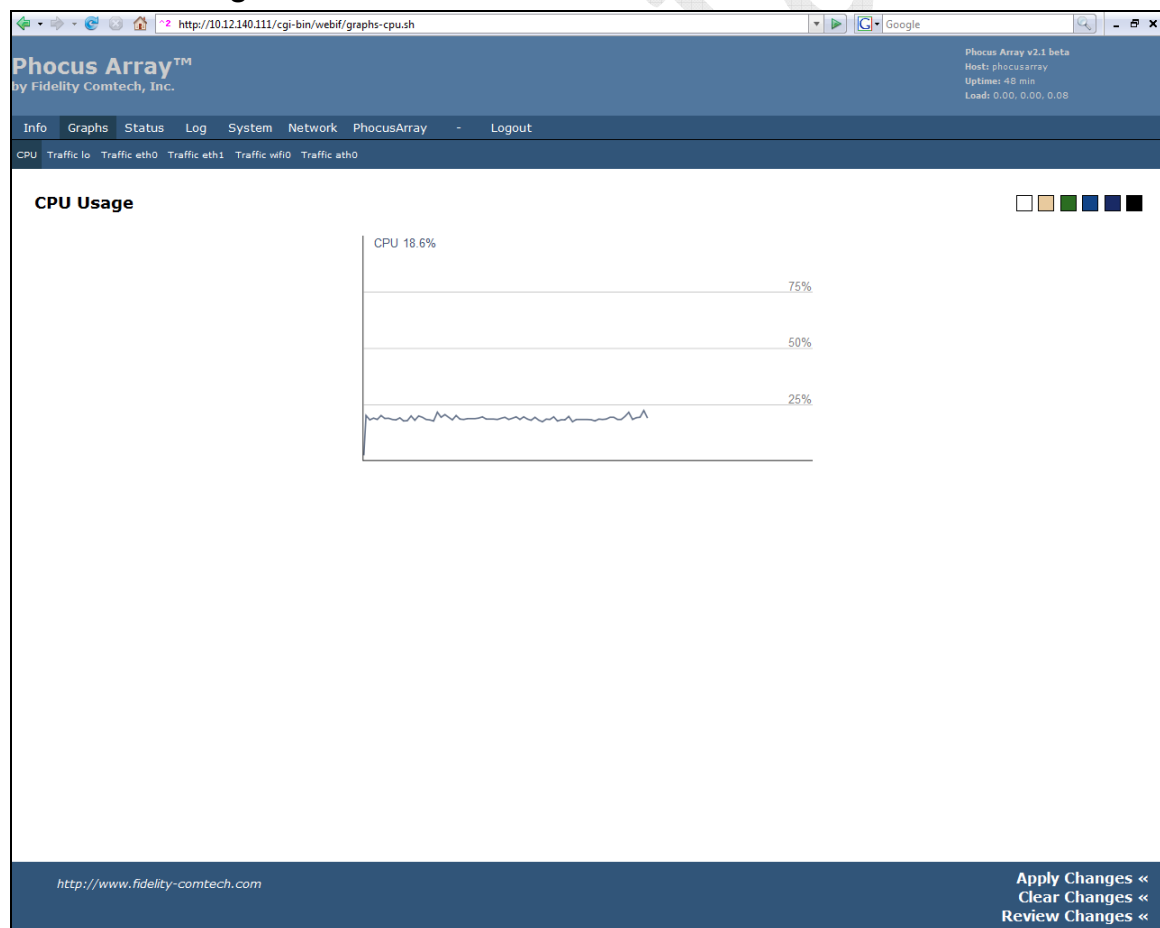


Figure 30 – Graphs > CPU

5.3.2 Traffic wifi0

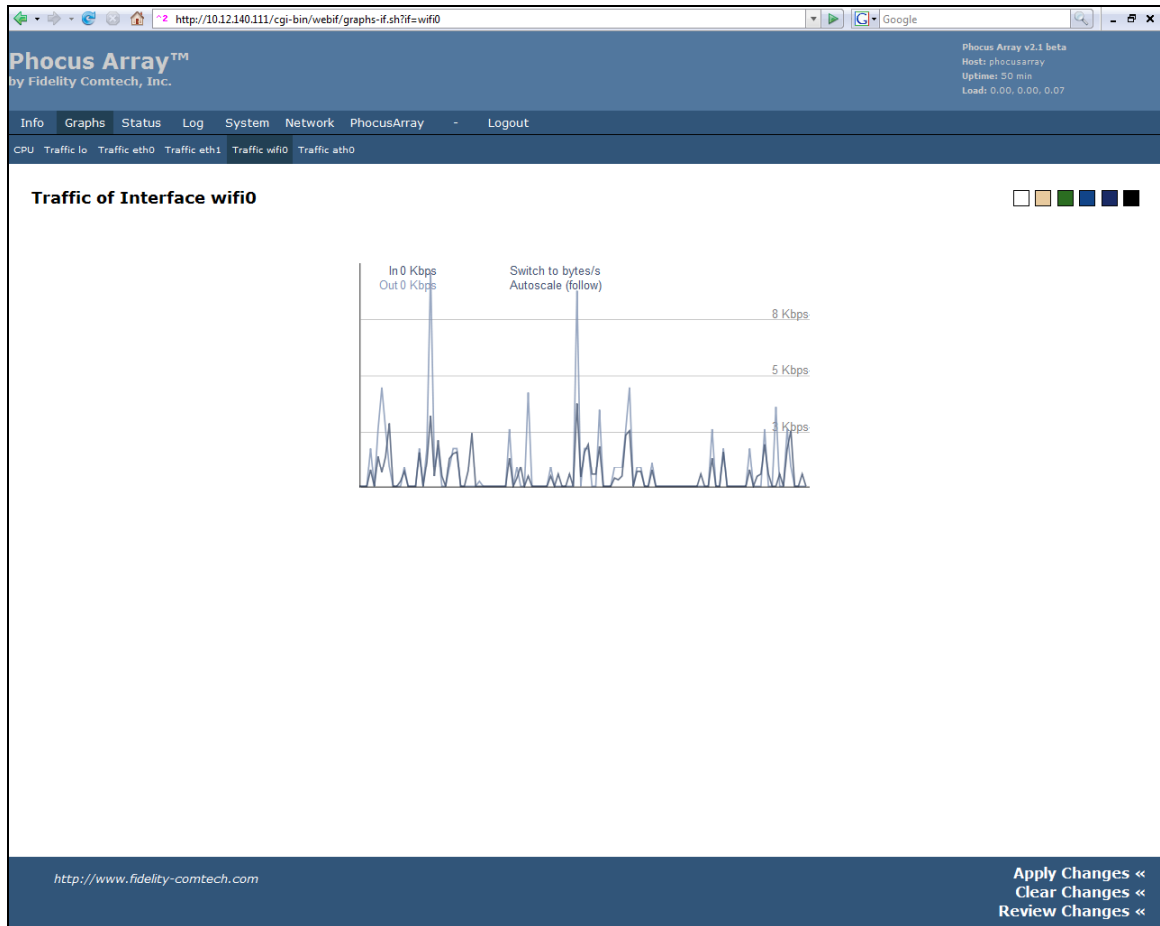


Figure 31 – Traffic wifi0

5.4 Status Tab

The **Status** menu contains the following tabs:

- **System** – device status: RAM usage, tracked connections, mount usage
- **Processes** – all running processes
- **Interfaces** – LAN and WLAN interface data
- **DHCP Clients** – DHCP leases and related information
- **Netstat** – Ethernet/wireless physical connections, routing table, router listening ports, connections to the router
- **Iptables** – Iptables status for IP packet handling rules tables

5.4.1 System

The screen displays **RAM Usage**, **Tracked Connections**, and **Mount Usage**.

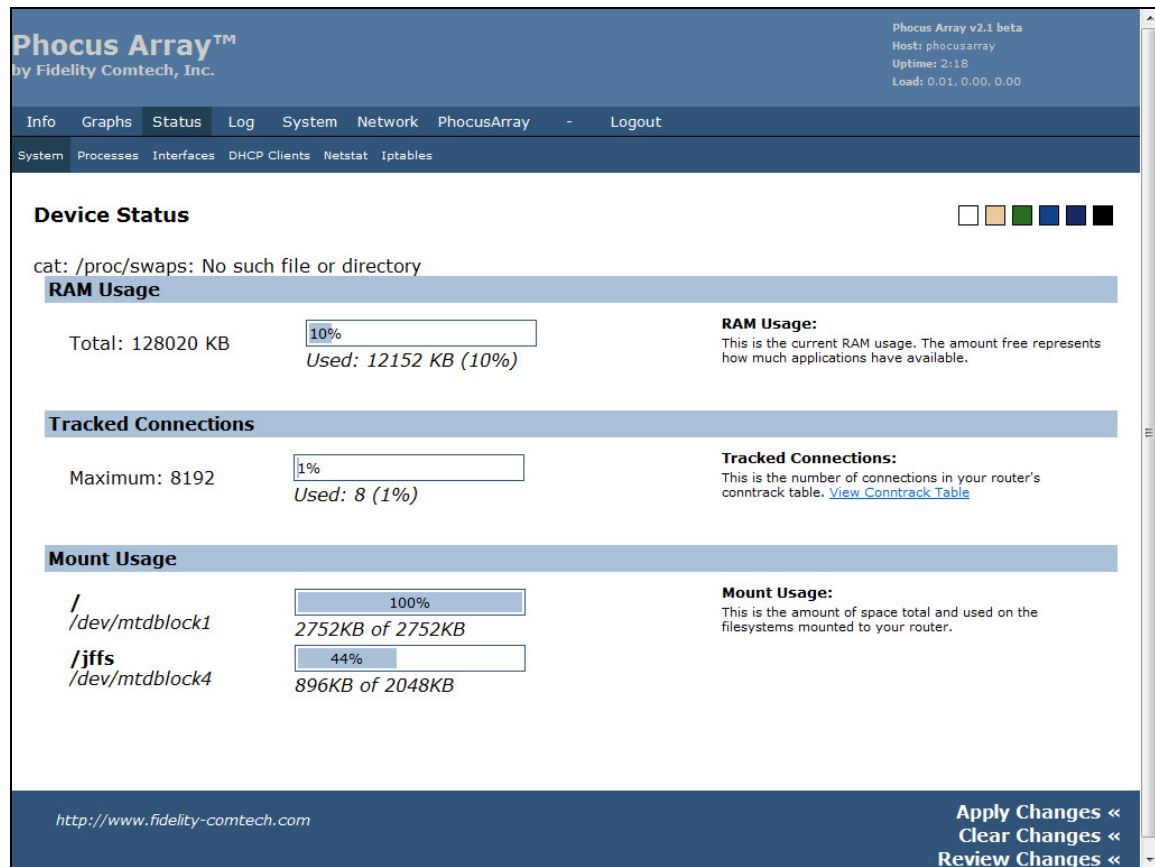


Figure 32 – Device Status

You can click the **View Conntrack Table** link to show the connections being utilized on your system. It allows you to roughly follow the packets UDP/TCP transactions over time.

Note: At this time this page is untested and may not work.

5.4.2 Processes

The screen displays all processes that are running.

Click the **see the legend** link for more information about the fields.

Phocus Array™
by Fidelity Comtech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 2:19
Load: 0.13, 0.03, 0.00

Info Graphs **Status** Log System Network PhocusArray - Logout

System Processes Interfaces DHCP Clients Netstat Iptables

Running Processes

Interval: 20 (in seconds)

For more information about fields [see the legend...](#)

Processes Status

PID	Uid	VmSize	Stat	Command
1	root	360	S	init
2	root		SWN	[ksoftirqd/0]
3	root		SW<	[events/0]
4	root		SW<	[khelper]
5	root		SW<	[kthread]
45	root		SW<	[kblockd/0]
60	root		SW	[pdflush]
61	root		SW	[pdflush]
62	root		SW<	[kswapd0]
63	root		SW<	[aio/0]
612	root		SW	[mtdblockd]
1856	root		SWN	[jffs2_gcd_mtd4]
1877	root	280	S	klogd
1880	root	372	S	logger -s -p 6 -t
1881	root	220	S	init
1900	root	304	S	/sbin/syslogd -C16 -m 0
2051	root	224	S	/sbin/hotplug2 --persistent
5020	root	312	S	crond -c /etc/crontabs
5123	root	344	S	/usr/sbin/dropbear -p 22
5133	root	296	S	httpd -p 80 -h /www -r OpenWrt
5235	root	1692	S	snmpd -Lf /dev/null -p /var/run/snmpd.pid
6227	root	276	S	/usr/local/sbin/phasctrl -d
10197	root	352	S	httpd -p 80 -h /www -r OpenWrt

Figure 33 – Running Processes

5.4.3 Interfaces

The screen displays **LAN** and **WLAN** interface data. Click the **Show raw statistics** button to view the low-level interface status and configuration, which can be helpful when calling Technical Support

Note: The **WAN** and **LAN** designations change according to the **System Configuration**.

Phocus Array™
by Fidelity Comtech, Inc.

Phocus Array v2.1 beta
Host: phocusarray
Uptime: 55 min
Load: 0.08, 0.01, 0.05

Info Graphs Status Log System Network PhocusArray - Logout

System Processes Interfaces DHCP Clients Netstat Iptables

Interfaces

WAN

MAC Address	00:50:C2:00:00:88	WAN: WAN stands for Wide Area Network and is usually the upstream connection to the internet.
IP Address	10.12.140.111	
Received	15.0k pkts (1.3 MiB)	
Transmitted	14.5k pkts (1.4 MiB)	

LAN

MAC Address	00:02:6F:3F:96:72	LAN: LAN stands for Local Area Network.
IP Address	192.168.2.1	
Received	483 pkts (39.4 KiB)	
Transmitted	536 pkts (43.5 KiB)	

WLAN

Access Point	00:02:6F:3F:96:72	WLAN: LAN stands for Wireless Local Area Network.
Mode	Master	
ESSID	NorthYard	
Frequency	2.412 Ghz	
Transmit Power	Power=18 dBm	
Noise Level	-95 dBm	
Encryption Key	off	
Rx Invalid nwid	1794	
Rx Invalid Encryption	0	
Tx Retries in Excess	0	
Tx Invalid	0	
Tx Missed Beacon	0	

Show raw statistics

<http://www.fidelity-comtech.com>

Apply Changes «
Clear Changes «
Review Changes «

Figure 34 – Interfaces