



VERITEQ

Superior Temperature & Humidity Monitoring

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vNet PoE Device
User Guide

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The Veriteq vNet device has been tested using a variety of network systems. However, the large number of possible hardware and network configurations makes testing under every circumstance impossible. If you have trouble using the Veriteq vNet device, contact Veriteq Instruments.

Technical Support

Call Veriteq for free technical support 1-866-861-3388 (8am-4pm Pacific Standard Time)

Email customersupport@veriteq.com

Document part number: 880-0401-01

Release date: October 2009

About this Manual

The vNet Power over Ethernet device Configuration Guide includes the information you need to install, configure and operate your vNet device with a Veriteq data logger.

You can also view the Quick Start guide for a graphical overview of the installation process for your vNet device.

Who this Manual is for

This manual is for administrators who will install and configure the vNet device with a Veriteq data logger using viewLinc, Spectrum, or vLog software. This manual covers several topics, including how to:

- configure IP settings, ethernet settings and device information
- set administrator passwords
- view loggers connected to your vNet device
- back up and/or restore vNet device configuration
- restart the vNet Power over Ethernet device.

Conventions Used in this Document

This document uses the following conventions:

- A sequence of actions is indicated by a list separated by a vertical line. For example:
“From the vNet Configuration and Management interface, choose **Configuration | Network | IP Settings**”
- Menu selections, items you select, the names of buttons and tabs are shown in **bold**.

Related Documentation and Software Products

For a visual overview of the installation of your vNet device, consult the Quick Start Guide for viewLinc with vNet or Digi Devices.

Use Veriteq viewLinc software and their associated online Help to:

- monitor channels
- set and acknowledge alarms
- view and graph logger data
- transfer data from multiple networked Veriteq loggers.

Use Veriteq vLog and Spectrum software and their related online help to set up individual data loggers.

Support Information

Free technical support is available from Veriteq from 8am-4pm PST Monday - Friday. Please call 1-866-861-3388 or email customersupport@veriteq.com or see www.veriteq.com.

For sales, pricing, quotations, or general information, please call 1-800-683-8374 (or 604-273-6850).

Getting Started with the Veriteq vNet Power over Ethernet Device

Welcome to the Veriteq vNet Power over Ethernet device User Guide. The following sections will assist you in setting up the vNet device:

- Installing the vNet device at your Site
- Launching the vNet Configuration and Management Interface
- Viewing Network Configuration Settings
- Configuring IP Settings
- Creating a NetBIOS Name
- Changing Ethernet Settings
- Editing Serial Port Settings
- Setting Device Information
- Changing the Administrator Password
- Setting an Idle Timeout for the Web Session
- Viewing Connections and Network Statistics
- Viewing Power Settings
- Setting the System Fan
- Enabling 15V Loop Power Excitation
- Backing Up and/or Restoring Configuration Settings
- Updating the vNet Device
- Restarting the vNet Device
- Restoring Factory Default Settings
- Getting Help

Getting Started

When installed, the vNet Power over Ethernet (PoE) device supports a data monitoring system comprised of several software components (including viewLinc, Veriteq vLog or Spectrum), and hardware components (Veriteq data loggers, a PC with a supported Web browser, and the vNet device).

Before you start using your vNet device, complete the installation and configuration instructions included in this User Guide, or, for a visual representation of the installation process, refer to the Quick Start guide shipped with the device.

Once your vNet device is installed (connected to the data logger and your network), you are ready to complete the configuration steps detailed in this User Guide.

Installing the vNet device at your Site

There are a few things to remember when connecting your data logger to the vNet device:

- Be sure to slide the logger as far right as possible towards the two tabs before pushing down into the vNet device bed (you should hear a 'click'). Refer to figure 2, "Inserting data logger into vNet device" on page 3.
- If you are mounting the vNet device on a wall, ensure the device is in the upright position (the fan on top and data connections on the right).
- Use the wall anchors and screws provided for use with the vNet device mounting brackets.

Important: Do not drop the device as the impact may damage the device.

Connecting Loggers

The following diagram shows how to use vNet devices to connect data loggers to a network:

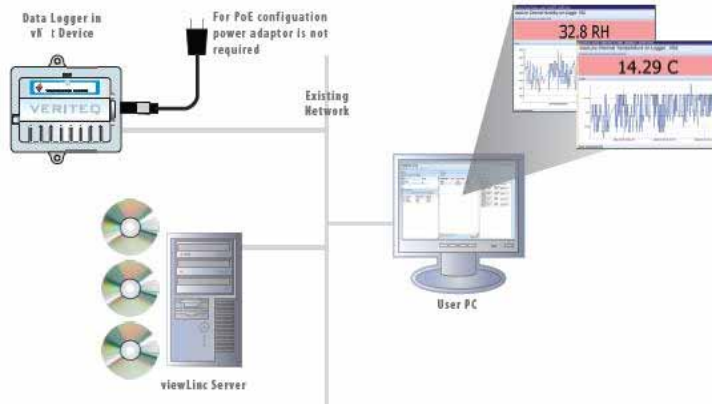


Figure 1: Connecting data loggers to your network

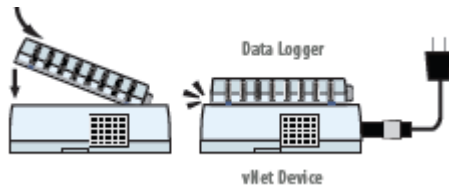


Figure 2: Inserting data logger into vNet device



Figure 3: Inserting power supply

Attaching Main Hardware

- 1 Remove the protective label on the bottom of the data logger.
- 2 Connect the data logger to the vNet device.
- 3 Connect the vNet device to the power supply and Ethernet outlet. When power is supplied to the vNet device, the red power LED light will blink for 7-8 seconds, then stay solid. When a network connection is made, the LNK LED should light up and stay solid, and the ACT LED should blink occasionally.

Note: To ensure a secure connection, insert the power supply barrel-end connector into the device and turn 1/4 to the right; however, if your network supports Power over Ethernet, you do not need to connect to an external power supply (see Figure 3 on page 3).

Installing Drivers

This section covers installing drivers for vNet devices to connect Veriteq data loggers to the network using an Ethernet connection. Repeat all these steps for each vNet device you'll use.

Discovering the vNet Device

- 1 Obtain a static IP address for your vNet device from your IT department. If your networking policy requires you to reserve IP addresses using DHCP, see www.veriteq.com/digi for instructions.
- 2 Insert the Veriteq vNet device driver CD into viewLinc Server (this can be any Windows PC or Server available 24/7).
- 3 The Device Setup Wizard launches automatically. Click **NEXT**.
- 4 Select the device that matches the MAC address from the side or bottom of your vNet device. Click **NEXT**.

Configuring RealPort and Installing Drivers

- 1 In the Configure Network Settings screen, enter the Static IP address provided by your IT department. Click **NEXT** two times.

- 2 In the Configure RealPort Settings screen, select “Install RealPort on this computer”. Click **NEXT**.
- 3 Click **NEXT** again. The settings are saved.
- 4 Click **FINISH**.

Repeat *Installing Drivers* for each vNet device.

Once your data logger is installed and the vNet device is configured, you are ready to install either vLog or Spectrum software (to confirm the successful installation of the COM port and change logger settings) and install viewLinc (to make data logger monitoring and alarming available across your network).

Refer to the software-specific User Guides for installation instructions.

Launching the vNet Configuration and Management Interface

To easily configure your vNet device, it is shipped with a web-based application, **vNet Configuration and Management Interface**. You can use this application to complete the vNet device configuration activities, or use the Digi Device Configuration Wizard.

To launch the vNet Configuration and Management interface from a Web browser:

- 1 In a Web browser, enter the IP address of your vNet device (obtained from your IT administrator) or enter the NetBIOS name. The default NetBIOS name is **VeriteqXXXXXXXX** (where X is the 8-digit serial number of your vNet device).

- 2 At the login screen, enter the user name: **root**

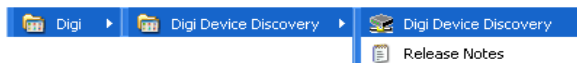


- 3 Enter the default password: **dbps** (to change this password see **Changing the Administrator Password**).
- 4 Click **OK**. The vNet Configuration and Management screen displays:



To launch the vNet Configuration and Management interface using Digi Device Discovery:

- 1 From the Start menu select Digi | Digi Device Discovery | Digi Device Discovery.



- 2 Locate your vNet device's MAC address (found on the side or bottom of your vNet device) in the MAC address list, and double-click on it to open the login screen.



- 3 Enter the user name: **root**.
- 4 Enter the default password: **dbps**. You can change this password later (see **Changing the Administrator Password**).
- 5 Click **OK**. The vNet Configuration and Management screen displays:



Viewing Network Configuration Settings

To view vNet device IP settings:

- 1 Launch the vNet Configuration and Management interface.

- 2 From the vNet Configuration and Management interface, click **System Summary**.



System Summary	
Device Name	vNet 08075101
Contact Person	
IP Address	192.168.1.229
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
MAC Address	00:80:35:0C:82:44
Device Description	Logger PUE Network Interface
Model	CDL-VNET-P
Web Interface Version	1.0.1.10
Firmware Version	1.0.1.35 (2009-09-13 20:12:14 UTC)
Bootloader Version	1.0.1.19 (2009-09-13 20:10:48 UTC)
Hardware Revision	1.3.0.0
Serial Number	08075101

This summary includes all the important information about your vNet device, including device name, contact person, current IP address, MAC address, model name, firmware version, and so on.

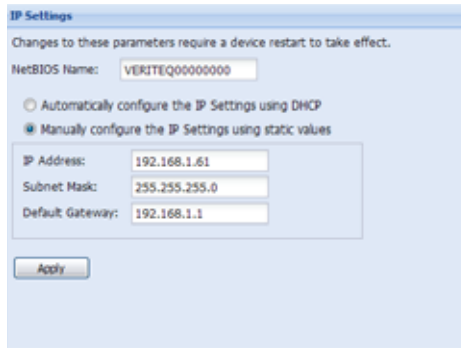
Configuring IP Settings

The Veriteq vNet device has DHCP enabled by default; in this mode IP settings are configured automatically by a DHCP server on the network. However, it is recommended that you do not use automatic DHCP configuration as the network may periodically allocate a different IP address to the device. If this occurs, viewLinc and other Veriteq applications will be unable to communicate with the logger or the vNet device.

If the network does not have a DHCP server, you will also need to manually configure IP settings.

To manually configure IP settings for your vNet device:

- 1 From the vNet Configuration and Management interface, choose Configuration | Network | IP Settings.



- 2 Select the option, **Manually configure the IP Settings using static values**, then enter the IP Address, Subnet Mask, and Default Gateway supplied by your IT administrator.
- 3 Click **Apply**.
- 4 Restart the vNet device. You can either click the **Restart** prompt,

The device needs to be restarted for the latest changes to apply. Please click [here](#) to restart the device.

or, on the vNet device, press and immediately release the restart button.

Important: Do not hold the restart button for more than one (1) second or you may restore all settings to their default values.



Figure 4: Restart button on vNet device

Creating a NetBIOS Name

A NetBIOS name provides an easy way to connect to your vNet device through a Web browser without having to remember the device's IP address.

To access the device using the NETBIOS name, simply enter the name in the address line of your Web browser:
http://NetBIOSname.

The factory default NetBIOS name is VERITEQXXXXXXXX (where X is the 8-digit serial number of the vNet device).

To change the NetBIOS name:

- 1 From the vNet Configuration and Management interface, choose Configuration | Network | IP Settings.
- 2 In the NetBIOS name field you can enter up to 15 characters (using letters, numbers and/or an underscore). Do not assign the same name to another device.
- 3 Click **Apply**.
- 4 Restart the vNet device. You can either click the **Restart** prompt on the screen,

The device needs to be restarted for the latest changes to apply. Please click [here](#) to restart the device.

or, on the vNet device, press the restart button (see Figure 4, "Restart button on vNet device," on page 9).

Important: Do not hold the restart button for more than one (1) second or you may restore all settings to their default values.

Changing Ethernet Settings

Depending on the network hub or switch the vNet device is connected to, you may want to change the Ethernet mode from the default, half-duplex setting, to full-duplex.

To set the Ethernet settings for your vNet device:

- 1 From the vNet Configuration and Management interface, choose Configuration | Network | Ethernet Settings.
- 2 Choose your Duplex Mode (Half or Full).
- 3 Click **Apply**.

Note: The speed setting is fixed at 10Mbit and can not be changed.

Editing Serial Port Settings

Use the Serial Port Settings to set the TCP port numbers that the vNet device will use for serial communication. The vNet device communicates with the Veriteq data logger through a serial port.

The serial port is accessed by the client PC using serial port redirector (virtual COM port) software that communicates over the Ethernet connection using TCP ports. The vNet device needs to be configured to use the same TCP port as the serial port redirector software.

About Loopback Test Mode

Loopback Test Mode **should only** be checked when doing diagnostic tests to solve problems with logger communication. Loopback Test Mode must be unchecked to communicate with the connected data logger. Unchecked is the default setting.

When checked, Loopback Test Mode enables a diagnostic mode where data received from the client PC is transmitted back to the PC, but not to the data logger. This can help to determine if a communication problem is due to the data logger, the vNet device, or the driver on the PC. A change to this setting only takes effect when the port is closed, then reopened. The checkbox is automatically unchecked when the vNet device is restarted, or if more than 1 hour has elapsed since it was checked.

Using RealPort

The serial port on the vNet device can be accessed using the Digi RealPort protocol. If a RealPort driver is installed on a client PC then it can be configured to access the serial port using the RealPort TCP port number.

The factory default setting is 771.

It is important to note that only one RealPort client can connect to the vNet device at a time. In addition, the RealPort

driver should only be installed using a Veriteq Driver installation disk to ensure that the client PC will only connect to the vNet device when trying to open the serial port.

If the driver is installed from a Digi Software & Documentation CD, the RealPort driver will connect to RealPort devices when the PC starts, and only one PC will have access to the vNet device.

If needed, there is a setting in the RealPort driver that can be changed to permit access by multiple users (see page 12).

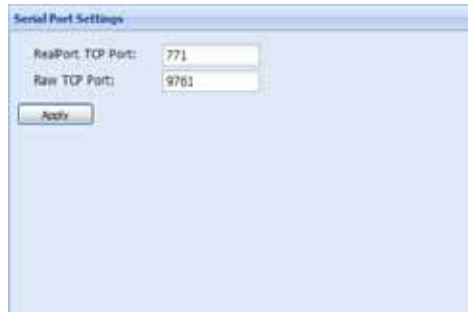
Using Raw TCP

The serial port on the vNet device can also be accessed using generic 3rd party Ethernet to serial port redirector software. These applications can send and receive data using the Raw TCP port number. When using the serial port in Raw mode, the client PC can only send and receive data. There is no access to serial port settings such as baud rate or control lines (the serial port is automatically set to 19200 bps, 8 data bits, no parity bit, one stop bit).

The factory default setting is 9761.

To set the Serial Port settings for your vNet device:

- 1 From the vNet Configuration and Management interface, choose Configuration | Network | Serial Port Settings.



- 2 Enter new port numbers.
- 3 Click **Apply**.
- 4 Restart the vNet device if prompted.

To allow multi-user RealPort access to a vNet device:

- 1 Open the Control Panel and double-click **System**.

- 2 On the System Properties screen, select the **Hardware** tab and then click **Device Manager**.
- 3 On the Device Manager screen, open Multi-port serial adapters to find your adaptor.
- 4 Right-click on your adaptor name, then select **Properties**.
- 5 Select the **Advanced** tab and then click **Properties**.
- 6 Select the **Network** tab and then click **Connection Settings**.
- 7 Check the option, **Wait for COM open request before connecting to device**, then click **OK** and close all open dialogs.
- 8 Repeat these steps for all client PCs that have this vNet device installed.

With this option selected, you can now access your vNet device from multiple network locations, or permit other network users to access the vNet device.

Setting Device Information

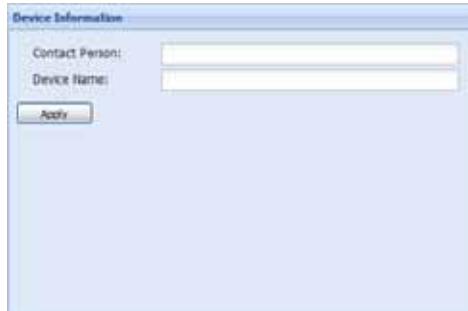
The Device Information settings screen allows you to:

- Identify a contact person who will provide assistance in case of a problem connecting with this interface. Note that the contact person information is stored in the vNet device configuration for reference purposes only.
- Specify a name for your vNet device to make it easy to locate on your network. This name displays in the Name column of the Digi Device Discovery screen (Start | Digi | Digi Device Discovery).

The default device name is **vNet XXXXXXXX** (where X is the 8-digit serial number of the vNet device).

To set the device information for your vNet device:

- 1 From the vNet Configuration and Management interface, choose Configuration | Network | Device Information.

A screenshot of a web-based configuration window titled "Device Information". The window has a light blue background and a title bar. It contains two text input fields: "Contact Person:" and "Device Name:". Below these fields is a button labeled "Apply".

- 2 Enter the contact person for your vNet device (name, phone number and/or email address, maximum 63 characters).
- 3 To change the device name, enter a description (maximum 63 characters).
- 4 Click **Apply**.

Changing the Administrator Password

You can change the administrator password for your vNet device. The password is case-sensitive, and must be 4 to 16 characters long.

The default administrator password is dbps.

Note: The administrator name, **root**, cannot be changed.

To change the administrator password:

- 1 From the vNet Configuration and Management interface, choose Configuration | Security.



- 2 In the Security Settings screen, enter and confirm your new administrator password.
- 3 Click **Apply**.
- 4 Restart the vNet device.

The device needs to be restarted for the latest changes to apply. Please click [here](#) to restart the device.

The new password takes effect after the device has been restarted.

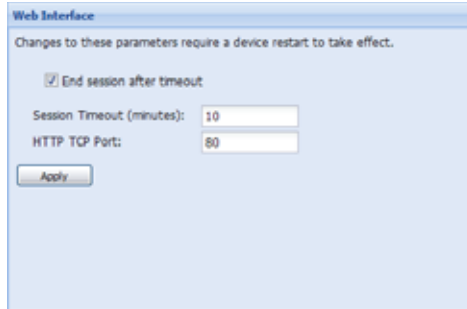
Setting an Idle Timeout for the Web Session

You can set a timeout period for the vNet device's Web interface session, after which the session will automatically close. This protects you from others altering your vNet device configuration settings if you accidentally leave the vNet device configuration session open.

You can also specify the HTTP TCP port number used by Web browsers to display the vNet device's Web interface. In most circumstances you will not need to change the default HTTP TCP port number (80), unless port 80 is blocked.

To set the time out period and HTTP port:

- 1 From the vNet Configuration and Management interface, choose Configuration | Web Interface.



Web Interface

Changes to these parameters require a device restart to take effect.

End session after timeout

Session Timeout (minutes): 10

HTTP TCP Port: 80

Apply

- 2 In the Web Interface screen, choose to either select or deselect the option, **End session after timeout** (recommended).
- 3 Enter the session timeout period in minutes.
- 4 Enter the HTTP port you want to use (change the default, 80, only if it is blocked)
- 5 Click **Apply**.
- 6 Restart the vNet device, if prompted.

The device needs to be restarted for the latest changes to apply. Please click [here](#) to restart the device.


Viewing Connections and Network Statistics

The vNet Configuration and Management interface includes, in the Management area, a Connections table that shows which computers are, or have been, connected to this vNet device.

This area also includes a Network Statistics table that monitors network activity.

To see the Connections and Network Statistics tables:

- 1 From the vNet Configuration and Management interface, choose Management | Power. The Connections and Network Statistics Tables appear:



The screenshot displays two tables within a window titled 'Connections'. The first table, 'Connections Table', has a 'Refresh' button and a table with columns: Client IP, Protocol, Server, and Closed... It lists three entries with Client IP addresses 192.168.1.48, 192.168.1.86, and 192.168.1.27, all using HTTP protocol to access the WebUI. The 'Closed...' column shows 'over 2 ...' for the first two and '(open)' for the third. The second table, 'Network Statistics Table', also has a 'Refresh' button and lists: Accepted Rx Packets (2377226), Rejected Rx Packets (207882), Rx Overrun Errors (5), Transmitted Packets (30896), and Last Restart Date (September-29-09 11:47:56 AM).

- 2 Click one of the **Refresh** buttons to update the list to show the current status.

Connections Table

Use the Connections table to find out if a client PC is holding the serial port on the vNet device open too long, how many client PCs are accessing the serial port, or if the web interface is being accessed from another computer.

Only the six most recent connections are shown. Restarting the device will clear the list.

Network Statistics Table

Use the Network Statistics Table to monitor the network activity, including:

- Accepted Rx Packets: The number of received Ethernet packets that were accepted for further processing.
- Rejected Rx Packets: The number of received Ethernet packets that were rejected for various reasons, such as

protocol not supported, multicast address not supported, or packet errors.

- Rx Overrun Errors: The number of times a receive overrun was detected, i.e., one or more packets were dropped because the receive buffer was already full with previously received packets that had not yet been processed.
- Transmitted Packets: The number of Ethernet packets that were transmitted by the device.
- Last Restart Date: The date/time when the device was last restarted.

Note: Restarting the device will reset the above four network statistics counters (packets, errors) to 0 and update the last restart date.

Viewing Power Settings

To view current settings such as fan speed, power supply voltage and more, from the vNet Configuration and Management Interface, choose Management | Power.

Current settings will display. You may or may not be able to change these settings, depending on which version of the vNet device you have.

Setting the System Fan

Some vNet devices are equipped with an internal fan. This fan is provided to cool the internal electronics so they do not affect data logger measurements. If the logger connected to your vNet device does not include any internal measurement channels, you may be able to turn the fan off if this option is supported by the vNet device (if available, the option displays on the Power Settings screen). By default, it is turned ON.

Note: If your vNet device is powered using Power over Ethernet, the fan must be turned ON. The Power over Ethernet (PoE) standard requires that a minimum amount of load current be drawn from the supply; the fan provides this minimum load.

To turn the system fan on or off:

- 1 From the vNet Configuration and Management interface, choose Management | Power.



- 2 In the Power Settings screen, use the drop down list to select a **Fan Settings** option, On or Off.

Enabling 15V Loop Power Excitation

The Veriteq vNet device may include a 15V loop power output, which allows you to provide power to a sensor or transducer connected to a Veriteq data logger recording 4-20 mA currents or DC voltage signals.

If your vNet device is equipped with this feature, the option to enable or disable loop power displays on your screen.

To enable or disable 15V Loop Power Excitation:

- 1 From the vNet Configuration and Management interface, choose Management | Power.



- 2 In the Power Settings screen, check or uncheck the **Enable 15V Loop Power Excitation** checkbox to enable or disable loop power.
- 3 Click **Apply**.

Backing Up and/or Restoring Configuration Settings

Save your current vNet device configuration settings to a backup file so they can be restored at a later time. You can also use this backup file to configure another vNet device.

When restoring settings from a configuration backup file that was created by a different vNet device, consider the following:

- The configuration backup file is a plain text file that can be edited.
- You can remove items from the configuration backup file if you do not want to change their settings (such as NetBIOS name).
- There are vNet device-specific items in the configuration backup file that are for informational purposes only and do not get applied when the file is restored (for example, serial number, MAC address, model name and description).

Item	Configuration
UseDhcp	When UseDhcp = true , DHCP is enabled and the vNet device will try to automatically acquire IP settings. When UseDhcp = false , the vNet device will use the user defined IP address, Subnet mask and Gateway items in the configuration file.
IpAddr	The IP address that will be used if UseDhcp = false
Subnet Mask	The Subnet mask that will be used if UseDhcp = false.
Gateway-Addr	The Gateway address that will be used if UseDhcp = false.

Table 1: Configuration Backup File

Item	Configuration
NetBios-Name	The NetBIOS name that can be used to access the device. It must be 1 to 15 characters long. You can use any alphanumeric combination and the underscore character (_).
EthDuplex	The Ethernet mode that the device will use on the network to which it will be installed. Valid duplex values are Half or Full .
CloseTimeout	The control setting to enable or disable the web interface idle timeout. Valid values are true or false .
IdleTimeout	The timeout value in minutes (1 to 120) that will be used if the CloseTimeout = true.
HttpPort	The TCP port number that the vNet device will use to display the web interface.
Device-Name	The device name that will be shown in the Digi Device Discovery software. It can be up to 63 characters in length.
Contact	An informational description that is saved in the vNet device. It can be up to 63 characters in length.
RealPort	The TCP port number that the RealPort driver will use to access the serial port on the vNet device.
RawPort	The TCP port number that the Raw TCP driver will use to access the serial port on the vNet device.
EnableFan	The control setting for the vNet device fan. Valid values are on or off .
Enable15V	The control setting to enable or disable the 15V loop power supply output. Valid values are true or false .

Table 1: Configuration Backup File

To save configuration settings:

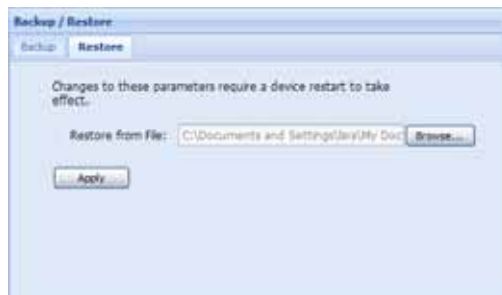
- 1 From the vNet Configuration and Management interface, choose Utilities | Backup/Restore.



- 2 Select the Backup tab and click **Backup**.
- 3 At the **File Download** prompt, click **Save**
- 4 Choose a location where you want to save the file and specify a file name. The default file name is **vNetConfigBackupXXXXXXXX** where X is the 8-digit serial number of the vNet device.
- 5 At the **Download Complete** prompt, click **Close**.

To restore settings from a previously saved configuration backup file:

- 1 From the vNet Configuration and Management interface, choose Utilities | Backup/Restore.



- 2 From the **Restore** tab, click **Browse** to locate the configuration file to restore, then click **Open**.
- 3 Click **Apply**.
- 4 At the Restart prompt, click **Restart** or press the restart button on the vNet device.

To configure another vNet device from a backup file:

- 1 Open the configuration backup file in a text editor (such as Notepad or Wordpad).

- 2 Edit the file by modifying lines or deleting lines (refer to Table 1, “Configuration Backup File,” on page 20 for a list of editable lines).
- 3 Save the modified file with the same file extension (.txt)
- 4 Locate the new vNet device on your network (Start | Digi | Digi Device Recovery | Digi Device Recovery).
- 5 Open the vNet Configuration and Management interface.
- 6 Choose Utilities | Backup/Restore.
- 7 In the Restore tab, click **Browse** to locate and select the modified configuration file, then click **Open**.
- 8 Click **Apply**.
- 9 Restart the device when prompted.

Updating the vNet Device

You may need to update the vNet device application software if a problem has been identified or if new features are available. You can update the application firmware, the boot loader, or the Web interface.

Important: Only update the vNet device when instructed to do so by a Veriteq representative, and ensure the update is complete before unplugging any cables.

To update the vNet device:

- 1 From the vNet Configuration and Management interface, choose Utilities | Update Firmware.
- 2 In the Update screen, from the drop down list, select Boot Loader, Firmware or Web Interface.
- 3 Click **Browse** to locate and select the update file provided by a Veriteq representative, then click **Open**.
- 4 Click **Apply**. After the boot loader or firmware is updated, the vNet device restarts automatically. It will take about 45 seconds for the update and restart to complete, before the vNet device is available to continue operations (it may take 1 minute for the Web interface to reload).

Restarting the vNet Device

Sometimes it is necessary to restart the vNet device to for new configuration settings to take effect. If restarting is necessary, you will be prompted to restart by using the link appearing at the top of your Web browser.

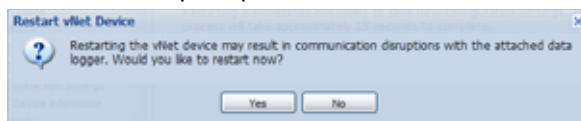
The restart process takes approximately 10 seconds to complete. During this time the vNet device is unavailable. The vNet Configuration and Management interface takes about 1 minute to reload after restarting.

Important: Restarting the vNet device will disconnect all connected clients and close their sessions. Closing a connection to a client disrupts communication between the client and the data logger that is attached to the vNet device.

You can restart the vNet device from the vNet Configuration and Management interface or from the vNet device itself.

To restart the vNet device using the Web interface:

- 1 From the vNet Configuration and Management interface, choose Utilities | Restart Device.
- 2 From the Restart Device screen, click **Restart**.
- 3 At the Restart prompt, click **Yes**.



To manually restart the vNet device:

- ▶ On the vNet device itself, press and immediately release the restart button.

Important: Do not press and hold the restart button for more than one (1) second, as you may restore all factory default settings (refer to Figure 4, “Restart button on vNet device,” on page 9).

Restoring Factory Default Settings

Before restoring factory default settings, you must first choose whether or not you want to keep the IP settings and

administrator password you have already set (recommended).

Important: If you do not check the option to keep the current IP settings, DHCP is automatically enabled. This could result in the vNet device acquiring a new IP address. If this happens, you will need to rediscover the vNet device using your Digi Discovery software (Start | Digi | Digi Discovery Device).

You can restore default settings on the vNet device using the application interface or from the vNet device itself using the restart button.

To restore factory default settings using the Web interface:

- 1 From the vNet Configuration and Management interface, choose Utilities | Factory Default Settings.



- 2 To keep the IP address settings and administrator password but reset all other settings to the factory defaults, select the option, **Keep IP Settings and Administrator Password**.
- 3 If you do not want to keep IP address settings, clear the checkbox.

Note: If you do not keep IP address settings and password, the IP settings will revert to DHCP, and the administrator password will revert to 'dbps'.

- 4 Click **Apply**.

To manually restore factory default settings:

- ▶ On the vNet device itself, press and hold the restart button for at least five (5) seconds. There is no warning before the factory default settings are restored (refer to Figure 4, "Restart button on vNet device," on page 9).

List of Factory Default Settings

For an explanation of each setting shown below, refer to Table 1, "Configuration Backup File" on page 20.

These configuration items are changed to their factory default settings if the **Keep IP Settings and Administrator Password** checkbox is checked:

Item	Setting
RealPort	771
RawPort	9761
HTTP Port	80
Idle Timeout	5
Close Timeout	True
Device Name	(blank)
Contact	(blank)
Enable 15V	Off (if installed)
Enable Fan	On (if installed)

Table 2: Factory Default Settings *not* including IP Settings and Administrator Password

If the **Keep IP Settings and Administrator Password** checkbox is unchecked, these additional items are reset to their factory default settings:

item	Setting
UseDHCP	True
FpAddr	0.0.0.0
Subnet Mask	255.255.255.0
GatewaAddr	0.0.0.0
NetBIOS name	VERITEQXXXXXXXX, where x = the 8-digit serial number on the vNet device

Table 3: Factory Default IP Settings and Administrator Password

item	Setting
EthDuplex	Half
Password	dbps

Table 3: Factory Default IP Settings and Administrator Password

The RealPort protocol is used under license from Digi International Inc.

Getting Help

Free technical support is available from Veriteq from 8am-4pm PST Monday - Friday. Please call 1-866-861-3388 or email customersupport@veriteq.com. See also www.veriteq.com.

For sales, pricing, quotations, or general information, in North America please call 1-800-683-8374 (or 604-273-6850 for all other locations).

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