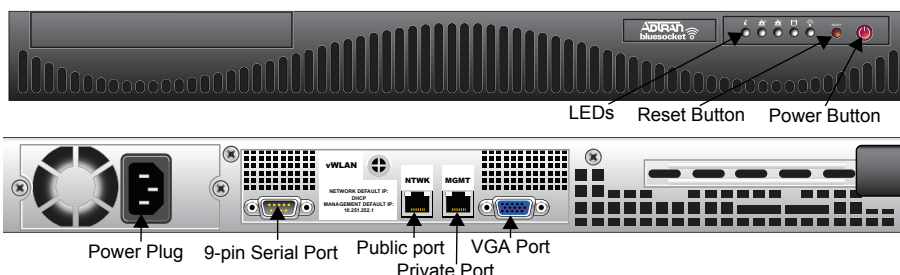


BLUESOCKET vWLAN HARDWARE APPLIANCE

P/N 1700900F2

GETTING STARTED

The ADTRAN Bluesocket virtual wireless local area network (vWLAN) is a secure wireless solution composed of the vWLAN hardware appliance and associated Bluesocket access points (BSAPs). The vWLAN hardware appliance runs vWLAN software and is configured by installing the hardware appliance and associated BSAPs. This document describes the initial setup of the vWLAN hardware appliance for use with vWLAN.



The Bluesocket vWLAN Hardware Appliance (P/N 1700900F2) only functions with vWLAN software release 2.4 or later. This appliance should never be downgraded to a software version prior to vWLAN 2.4.



This product contains hazardous moving parts. Keep away from fan blades when servicing this unit.

UNPACKING THE vWLAN HARDWARE APPLIANCE

Unpack the vWLAN hardware appliance and ensure the following contents are included in your shipment:

- vWLAN Hardware Appliance
- Power cable

RACK MOUNTING THE vWLAN HARDWARE APPLIANCE

The vWLAN hardware appliance can be rack mounted using the included rack mounting ears.



- *If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature specified by the manufacturer.*



- Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- Be careful not to compromise the stability of the equipment mounting rack when installing this product.
- Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading the circuit might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- Reliable grounding of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).

INSTALLING THE vWLAN HARDWARE APPLIANCE

Follow these steps to configure the ADTRAN Bluesocket vWLAN hardware appliance for installation:

1. Place the vWLAN hardware appliance in the location where you will manage it. Insert the power cable into the power port on the rear panel of the unit.
2. Connect the vWLAN hardware appliance to the network with Dynamic Host Control Protocol (DHCP) configured using the **Network** port (public network interface) on the rear panel of the unit. The **Network** port is used to reach the APs, for cloud connectivity where applicable, and for vWLAN-to-vWLAN communication when using high availability. The port labeled **MGMT** (private network interface) is not typically used for these purposes. The **MGMT** port is designed for initial configuration using a computer without connecting to the serial or local network connectivity for out-of-band management.
3. Plug the unattached end of the power cable into a properly grounded AC power receptacle.
4. Power on the hardware appliance by pressing the red **Power** button on the front panel of the unit. The appliance may take up to five minutes to boot, or longer if Dynamic Name Service (DNS) is not configured.
5. Once the boot is complete, locate the IP address of the hardware appliance from either the DHCP server or from the serial console menu. If you cannot find the IP address of the appliance in a DHCP server, refer to [Finding the IP Address Using the Serial Port](#) and [Accessing vWLAN without a Network Port IP Address](#).

FINDING THE IP ADDRESS USING THE SERIAL PORT

If you cannot find the IP address of the vWLAN hardware appliance through a DHCP server, you can use the Serial port. To find the IP address using the Serial port on the rear of the appliance, follow these steps:

1. Connect the DB-9 (male) connector of your serial cable (not provided in shipment) to the serial port on the back of the appliance hardware.
2. Connect the other end of the serial cable to the PC.
3. Open a VT100 terminal session with the following settings: **9600** baud, **8** data bits, no parity, and **1** stop bit (no flow control).
4. When prompted, enter the username **vwlan** and the password **vwlan**.
5. You are now connected to the vWLAN command line interface (CLI). Enter the command **interface i <ip address> <network mask> <gateway address>** to specify the static IP address for the network interface.
6. You can optionally continue to configure the vWLAN hardware appliance using the CLI as described in the [vWLAN Administrator Guide](#).

ACCESSING vWLAN WITHOUT A NETWORK PORT IP ADDRESS

If you are unable to connect to the vWLAN hardware appliance using the serial connection, and are unable to find the IP address in the DHCP server, follow these steps to access the hardware appliance:

1. Connect a computer to the port labeled **MGMT** (private network interface) on the rear of the appliance using a standard Gigabit Ethernet cable. The default IP address of the port is **10.251.252.1** with a network mask of **255.255.255.0**.
2. To reach the **MGMT** interface, set the static IP address of the computer to something in the same subnet as the default IP address of the appliance, for example, **10.251.252.2**.
3. Connect directly to the port and enter **https://10.251.252.1:3000** in a web browser.
4. Connect to the GUI for configuration as described in [Connecting to the vWLAN GUI](#).



NOTE

It may take a minute or two for the user interface to appear after the boot.

CONNECTING TO THE vWLAN GUI

Once you have the IP address of the vWLAN hardware appliance, you can connect to the web-based graphical user interface (GUI) by following these steps:

1. Enter the unit's IP address in a browser window in the following format:
https://<applianceipaddress>:3000.
2. Enter the default administrative user name (**root@adtran.com**) and the default password (**blueblue**) when prompted.
3. You are now connected to the vWLAN. You should first change the user name and password to match your domain.
4. You can now begin configuring the APs associated with the vWLAN and other configuration tasks outlined in the [vWLAN Administrator Guide](#).

vWLAN HARDWARE APPLIANCE LEDs

LED	LED Symbol	Color	Function
Caution		Red	Flashing indicates the fan has failed. Solid indicates an overheat condition.
Ethernet 2		Green	Flashing indicates the Private interface link is up and active.
Ethernet 1		Green	Flashing indicates the Public interface link is up and active.
Disk		Amber	Flashing indicates disk activity is detected.
Power		Green	Solid indicates the unit is on and functioning normally.

CHANGING THE BATTERY

The Bluesocket vWLAN Hardware Appliance contains a user replaceable battery that supports the real time clock feature. When replacing the battery, be sure to handle used batteries carefully. Do not damage the battery in any way; a damaged battery can release hazardous materials into the environment. Do not discard a used battery in the garbage or a public landfill. Please comply with the regulations set up by your local hazardous waste management agency to dispose of your used battery properly.

WARNING

There is risk of explosion if the real time clock battery is replaced by an incorrect type. Dispose of used batteries according to instructions.

RESETTING THE UNIT

Pressing the **RESET** button on the front panel will cause the unit to perform an immediate hard reboot with no consideration for work in progress.



*If the vWLAN is writing to disk when the **RESET** button is pressed, data corruption can occur resulting in an interoperable system.*

ADDITIONAL RESOURCES

To assist with further configuration and implementation of the vWLAN system, refer to the Bluesocket page of ADTRAN's support community (<https://supportforums.adtran.com/community/bluesocket>). Here you will find the latest discussions and documentation related to your vWLAN products.

THIRD-PARTY SOFTWARE

The software included in the Bluesocket vWLAN contains copyrighted software that is licensed under the GNU General Public License (GPL). For a list of third-party software and their licenses, go to <http://www.adtran.com/software/EULA>. You can obtain the complete corresponding source code of such software components from ADTRAN for a period of three years after our last shipment of this product by sending a money order or check for \$5 to:

ADTRAN, Inc, P.O. Box 933638, Atlanta, GA 31193-3638

Please write **GPL Source for Bluesocket vWLAN** in the memo line of your payment.

This offer is valid to anyone in receipt of this information.