Encrypting HPE 200AVP Ethernet Adapters

The following procedure details the steps needed to encrypt a pair of HPE 200AVP Ethernet Adapters for use on a secure power line network.

1. Connect the adapters to power outlets closest to the area where you plan to use them.

2. Press and hold the security button on the first adapter for 10 to 15 seconds, then release when the adapter's LEDs go dark. Be aware that performing this step removes any previously set security parameters.

3. All three LEDs on the first adapter will illuminate for one second, then go dark, signifying reboot. After reboot, the Power LED will illuminate solid green. The first adapter has created a unique encryption key.

4. Press and hold the security button on the second adapter for 10 to 15 seconds, then release when the adapter's LEDs go dark. The second adapter has generated a unique encryption key.

5. Press and hold the security button on the first adapter again for two seconds, then release. The Power LED on the first adapter starts to flash after releasing the security button. The first adapter is now broadcasting the new security key.

6. Within two minutes of performing step 4, press and hold the security button on the second adapter for two seconds, then release. The Power LED on the second adapter starts to flash after releasing the security button.

The adapters are now operating on a secure, encrypted power line network.

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Notes

- By default, the adapters are not encrypted. If the installation does not require encryption, the adapters can be installed without using the above procedure.

- Repeat steps 4 and 5 to add additional adapters to the encrypted power line network.

- When installing additional adapters, be aware that every adapter's security button must be pressed and released within two minutes to allow the adapters to communicate.

- The different colors of the Link LED indicate different power line network throughput conditions. A red Link LED signifies poor throughput (less than 50 Mbps). An orange Link LED indicates fair throughput (50-100 Mbps). A green Link LED signifies good throughput (over 100 Mbps).

- A network with different throughput conditions can be created, but performance will vary.

- To insure connectivity between adapters, all adapters you wish to wish to network together must be on the same circuit in your breaker box.