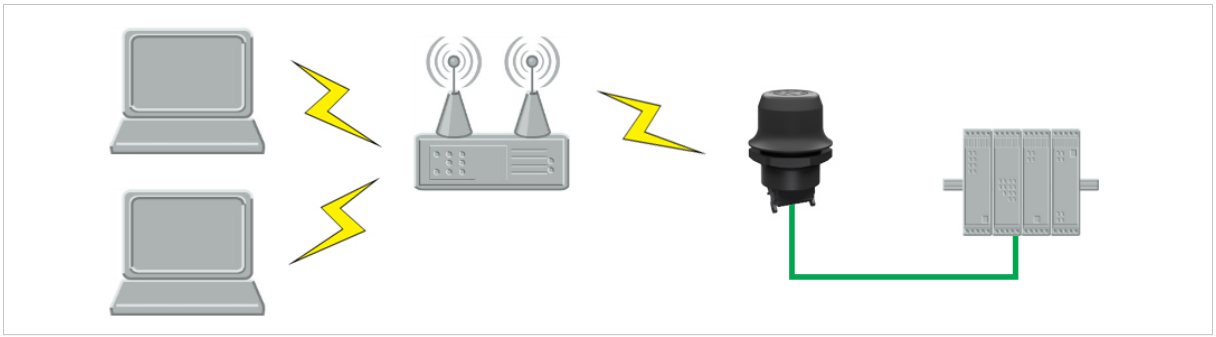
APPLICATION NOTE

This document does not include the complete instructions for the safe use of the described equipment. Make sure that you have read and understood the safety instructions in the user documentation for the described equipment before proceeding.

Anybus® Wireless Bolt™

Configuration Examples

Adding single Ethernet node to WLAN



This example shows how to connect a PLC with an Ethernet network interface to an existing WLAN with support for layer 2 and layer 3 traffic. The WLAN interface in the Wireless Bolt will clone the MAC address of the Ethernet interface in the PLC.

Only a single Ethernet node will be able to communicate via a third-party WLAN access point in this setup.

Configuration

1. Reset the Wireless Bolt to the factory default settings.
2. In **Network Settings**, configure the IP settings as required by the wireless network.
3. In **WLAN Settings**, click on **Scan for Networks**.
4. When the scan has completed, select the wireless network from the dropdown list.
5. If required, select the authentication mode and enter the passkey for the wireless network.
6. Click on **Save and Reboot**.
7. Check the **System Overview** page to confirm that the WLAN connection is established before continuing. **DO NOT SKIP THIS STEP!** After the final steps of the configuration procedure the web interface may no longer be accessible from the network without doing a factory reset.
8. In **WLAN Settings**, set **Bridge Mode** to **Layer 2 cloned MAC only**.
9. Enter the MAC address of the PLC in the **Cloned MAC Address** field.
10. Click on **Save and Reboot**.

The Wireless Bolt will now function as a WLAN interface for the PLC using the MAC address of its Ethernet interface.