

Impinj R220

The Impinj R220 is a two port reader designed for applications that require 2 antennas (or fewer), such as choke-points, overhead readers, or smart shelving.

Updating Firmware

To update the firmware on an Impinj Speedway Revolution R220 reader, you can use either the Web UI or a USB flash drive. The Web UI method involves connecting the reader to your network, logging in, and selecting the "Reader Upgrade" option to upload the firmware. The USB flash drive method requires formatting the drive to [FAT](#), placing the firmware file on the drive, and inserting it into the reader's USB HOST port.

Web UI Method:

1. **Connect to the reader's Web UI:** You can access the Web UI by connecting your computer to the same network as the reader and accessing the reader's IP address in a web browser. The default IP address is typically `http://169.254.1.1`.
2. **Log in:** Use the default credentials: username "root" and password "impinj".
3. **Navigate to Reader Upgrade:** In the Web UI, locate and select the "Reader Upgrade" section.
4. **Upload the firmware:** Browse for the firmware file on your computer and upload it.
5. **Upgrade and Reboot:** Select the "Upgrade" button and then "Reboot" to apply the new firmware.

USB Flash Drive Method:

1. **Prepare the flash drive:** Format the USB drive to the FAT file system and create the following folder structure: ``impinj\revolution\upgrade\images\``.
2. **Place the firmware file:** Download the firmware file and place it in the ``impinj\revolution\upgrade\images\`` folder on the flash drive.
3. **Insert the flash drive:** Insert the flash drive into the reader's USB HOST port.
4. **Wait for the upgrade:** The firmware will automatically upload to the reader.
5. **Reboot the reader:** Manually reboot the reader to complete the firmware update.

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