

Impinj R420

Update Firmware

To update the firmware on an Impinj R420 reader, you can use either the Web UI or a USB flash drive. The Web UI method involves connecting to the reader's IP address, logging in with the default credentials, and selecting the "Reader Upgrade" section to upload the firmware file. Alternatively, you can format a USB flash drive to FAT, copy the firmware file to it, and insert it into the reader's USB HOST port, where it will automatically upload the firmware.

Using the Web UI:

1. **Connect to the Reader:** Ensure the reader is powered and connected to your network.
2. **Locate the IP Address:** Find the reader's IP address (it may be a default address like `http://169.254.1.1`).
3. **Log In:** Access the reader's Web UI, and log in using the default credentials: username `root` and password `impinj`.
4. **Select Reader Upgrade:** Navigate to the "Reader Upgrade" section within the Web UI.
5. **Browse and Select:** Click "Browse" to locate the firmware file (.upg) on your computer and select it.
6. **Upgrade and Reboot:** Click "Upgrade" to start the upload. Once complete, click "Reboot" to apply the new firmware.

Using a USB Flash Drive:

1. **1. Format the Drive:**
Format a USB flash drive to FAT.
2. **2. Copy Firmware:**
Download the firmware file (e.g., .upg) and place it on the flash drive, preferably in a directory structure like `impinj\\revolution\\upgrade\\images\\`.
3. **3. Insert and Wait:**
Insert the flash drive into the reader's USB HOST port while the reader is powered on. The power LED will flash amber during the upload.
4. **4. Reboot:**
Once the power LED turns solid green, manually reboot the reader to apply the new firmware.

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