

Impinj xSpan - Troubleshooting Connection

The xSpan reader should by default have DHCP enabled, allowing you to connect via:

- `http://xspan-XX-XX-XX.local` (where the X values are the last 3 bytes of the MAC address)
- `http://<ip-address>`
- username: `root`
- password: `impinj`

However, if you're unable to connect, DHCP may be disabled, in which case you need to connect to the device on its local link address (most likely `169.254.1.1`) and use RShell to enable DHCP.

1. Determine the reader's self-assigned IP address by pinging the hostname:

- Windows (PowerShell):
 - `ping xspan-XX-XX-XX.local`
 - You should see something like this: `Pinging xspan-13-68-53.local [fe80::216:25ff:fe13:6853]%11 with 32 bytes of data:`
 - The address in [brackets] is the address of the reader.
- macOS (Terminal):
 - `ping -c 1 xspan-XX-XX-XX.local`
 - You should see something like this: `PING xspan-13-69-b9.local (169.254.1.1): 56 data bytes`
 - The address in (parentheses) is the address of the reader.

2. Log in via ssh and enable DHCP using RShell:

- `ssh root@<ip address>`
- password: `impinj`
- `> show network summary`
 - You'll likely see `ipAddressMode='Static'`. This confirms that DHCP is disabled.
- `> config network ip dynamic`
 - This will enable DHCP and reboot automatically.

After completing these steps, you should be able to access the reader on your LAN.

Revision #6

Created 11 February 2026 23:51:52 by John LeBaron

Updated 2 July 2026 01:36:26 by Ryan Larson