

Goal: Have a raspberry pi emulate a server that takes in a signal from a GNSS receiver and then relays that information to the time card.

Required materials:

Raspberry Pi: ie pi 5

Receiver:

<https://www.digikey.com/en/products/detail/sparkfun-electronics/GPS-18037/16719314>

Antenna: <https://www.digikey.com/en/products/detail/sparkfun-electronics/GPS-14986/9682235>

[https://lucid.app/lucidchart/01e8cf91-477b-4eed-92a1-fcaabd95895d/edit?viewport\\_loc=-100%2C-21%2C1280%2C573%2C0\\_0&invitationId=inv\\_220cc580-d53b-4562-82bc-128c7cbbcbc9](https://lucid.app/lucidchart/01e8cf91-477b-4eed-92a1-fcaabd95895d/edit?viewport_loc=-100%2C-21%2C1280%2C573%2C0_0&invitationId=inv_220cc580-d53b-4562-82bc-128c7cbbcbc9)

Galileo 1575.42 MHz

<https://novatel.com/support/known-solutions/gnss-frequencies-and-signals>





