# Component Research

## GPS components/modules

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Link | Price | Features |
| NJG1156PCD | <https://docs.rs-online.com/5e42/A700000008877713.pdf> | R19 | * FEM |
| GP-02 | <https://www.digikey.co.za/en/products/detail/ai-thinker/GP-02/16688877> | R90 | * FEM * DSP * UART (protocol unknown?) |
| Quectel L76-M33 | <https://za.rs-online.com/web/p/gnss-gps-modules/9084108?gb=s> | R214 | * FEM * DSP * UART (NMEA 0183) |
|  |  |  |  |

## Software

GNU Radio

* <https://wiki.gnuradio.org/>

GNSS-SDR

* <https://gnss-sdr.org/>

## Radiosonde

iMet-54 Radiosonde

* <https://intermet.co/radiosondes/imet-54/>

* <https://intermet.co/wp-content/uploads/iMet-54-403MHz-GPS-Radiosonde-Brochure-V5.5.pdf>

iMet-3100M Receiver

* <https://intermet.co/tracking_stations/imet-3100m/>

* <https://intermet.co/wp-content/uploads/iMet-3100M-403MHz-Military-Antenna-Receiver-Brochure-V4.5.pdf>

## Antennas

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type** | **Gain** | **Size** |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |