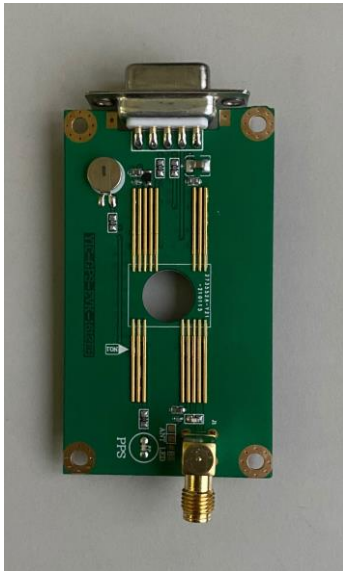
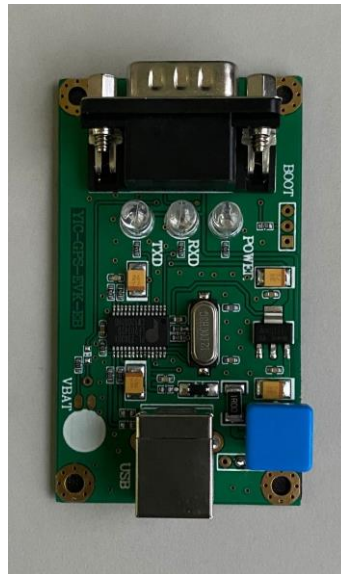


EVK User Guide for YICx1612EB Series

1. Contents of EVK-1612EB



Main Board



Adaptor Board



USB Cable

2. Antenna Options


ATGG4336M-SMA-3 (Single Band GNSS L1)



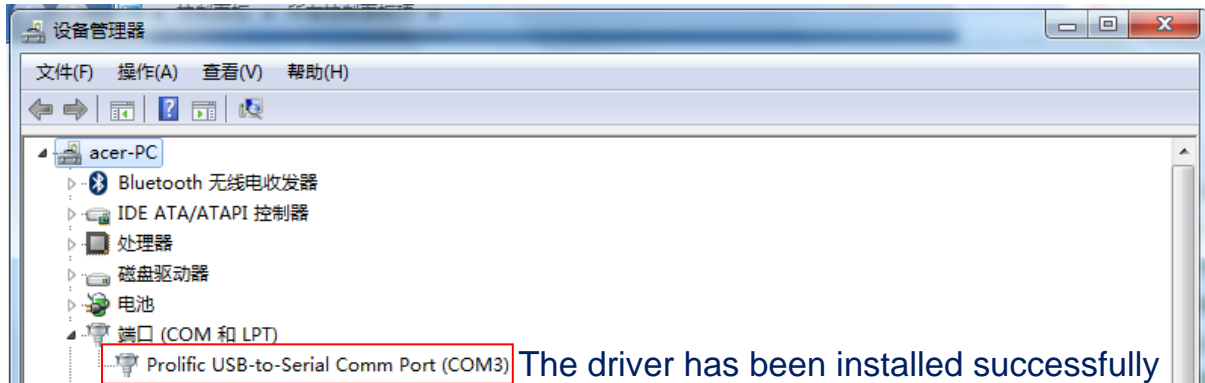
ATGGBL54138M-SMA-3 (Dual Band GNSS L1+L5)



3. Install the PL2303 USB driver to PC

 PL2303_Prolific_DriverInstaller_v1210.exe

3.1 Install the PL2303 USB driver, open the computer control panel, check the corresponding serial port.

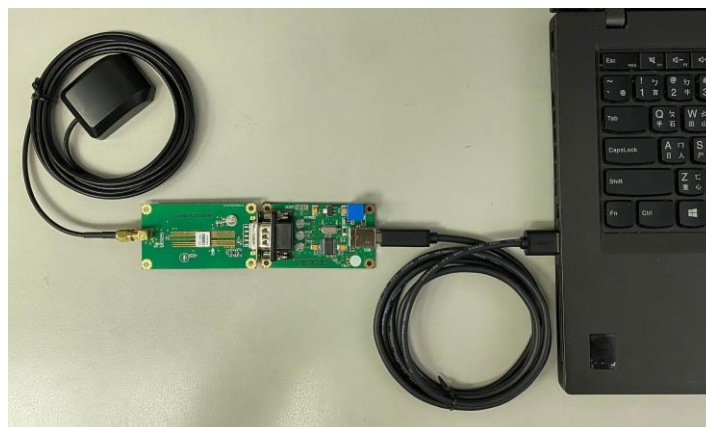


4. Connection diagram

4.1 Carefully slide the DUT GPS module into main board, pin 1 of the module corresponds to the arrow on main board.



4.2 Test connection



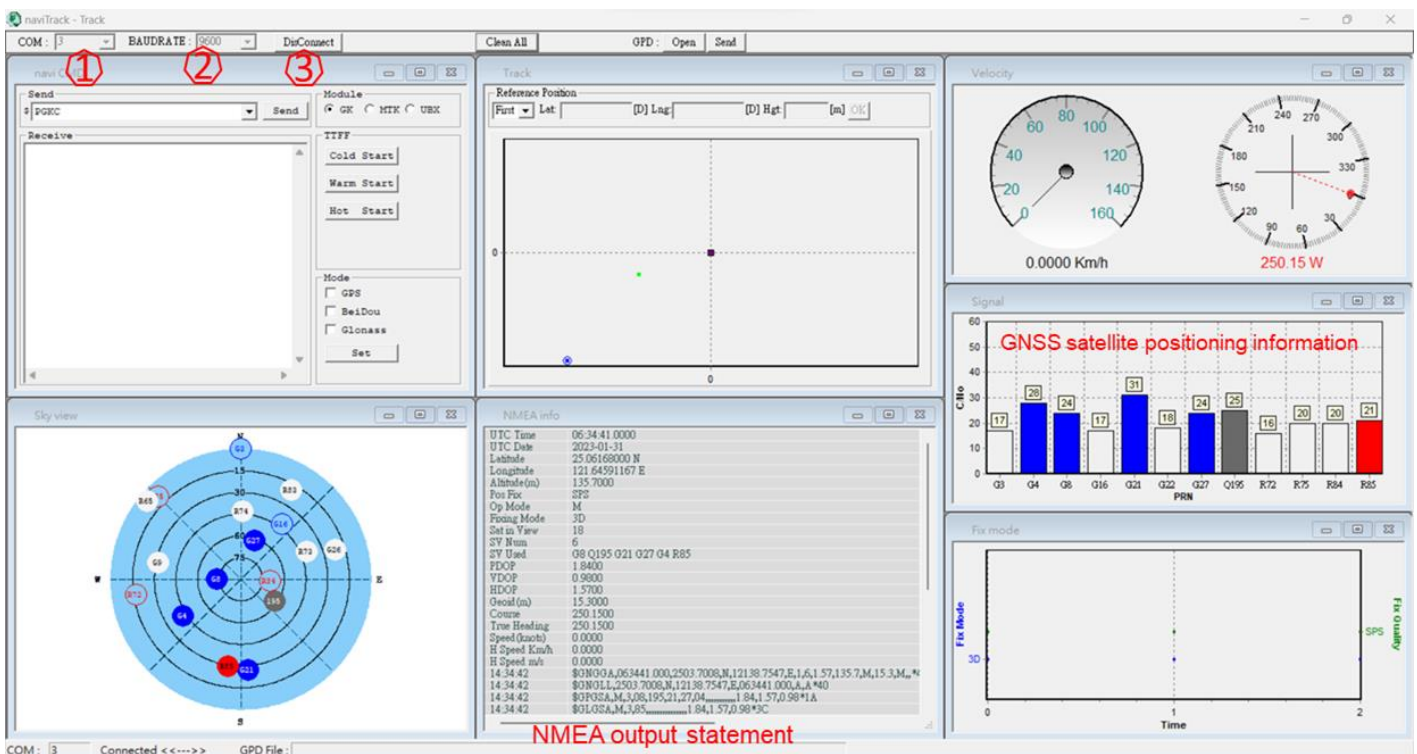
5. Install test software & start

5.1 For YIC31612EB series (Goke chip based)

5.1-1 Install test software: naviTrack

5.1-2 Software setting

- ① Select the corresponding serial port
- ② Select the corresponding baud rate (9600 or 115200,.....)
- ③ Click Connect to start the test

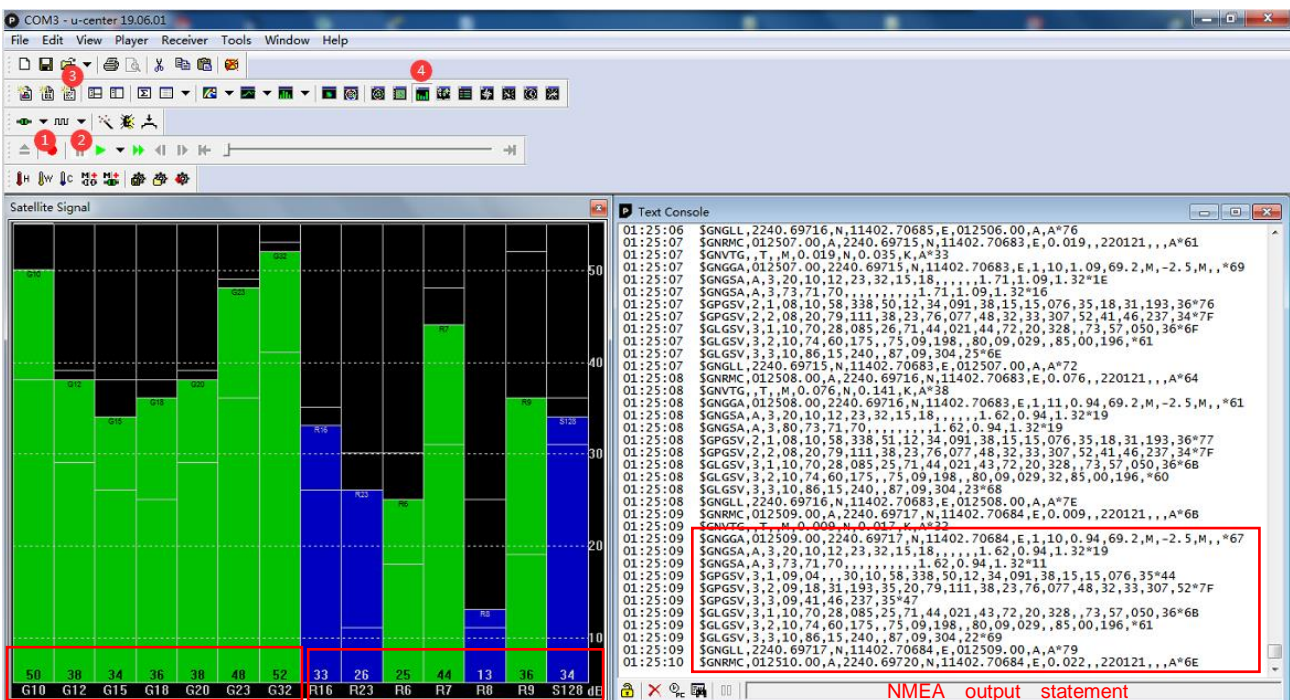


5.3 For YIC91612EB series (ublox chip based)

5.3-1 Install test software: u-center_v19.06

5.3-2 Software setting

- ① Select the corresponding serial port
- ② Select the corresponding baud rate (9600 or 115200,.....)
- ③ NMEA output statement
- ④ Open the satellite signal map



GLONASS satellite positioning and signal strength

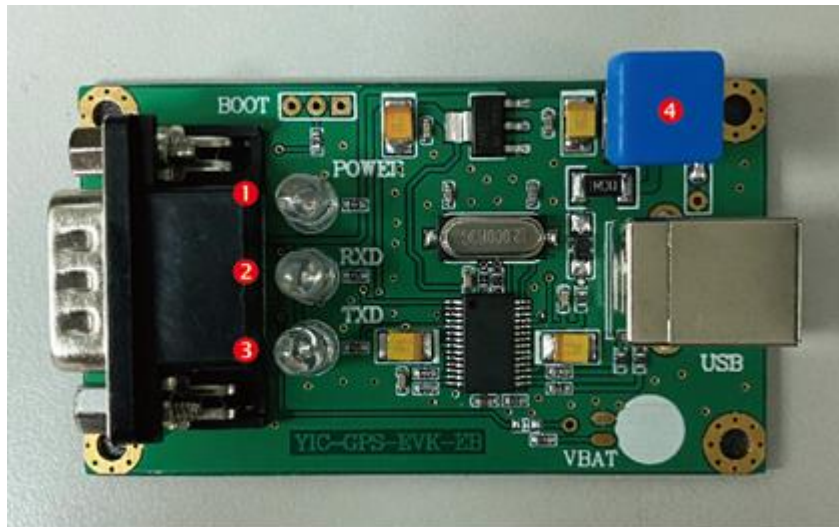
GPS satellite positioning and signal strength

Supplemental instruction :

Gxx:GPS Rxx:GLONASS Bxx:BD Exx:Galileo Sxx:SBAS Qxx:QZSS xx:Satellite number

6. LED and Push Button description

6.1 Adaptor Board



- ① Red LED: POWER, always on when power on
- ② Blue LED: RXD, often light while DUT GPS module receiving data
- ③ Green LED: TXD, flash once per second when DUT GPS module start sending data
- ④ Push Button: POWER, push to power on and off the EVK

6.2 Main Board

PPS LED: Flash once per second after satellite position fixed