

# YIC



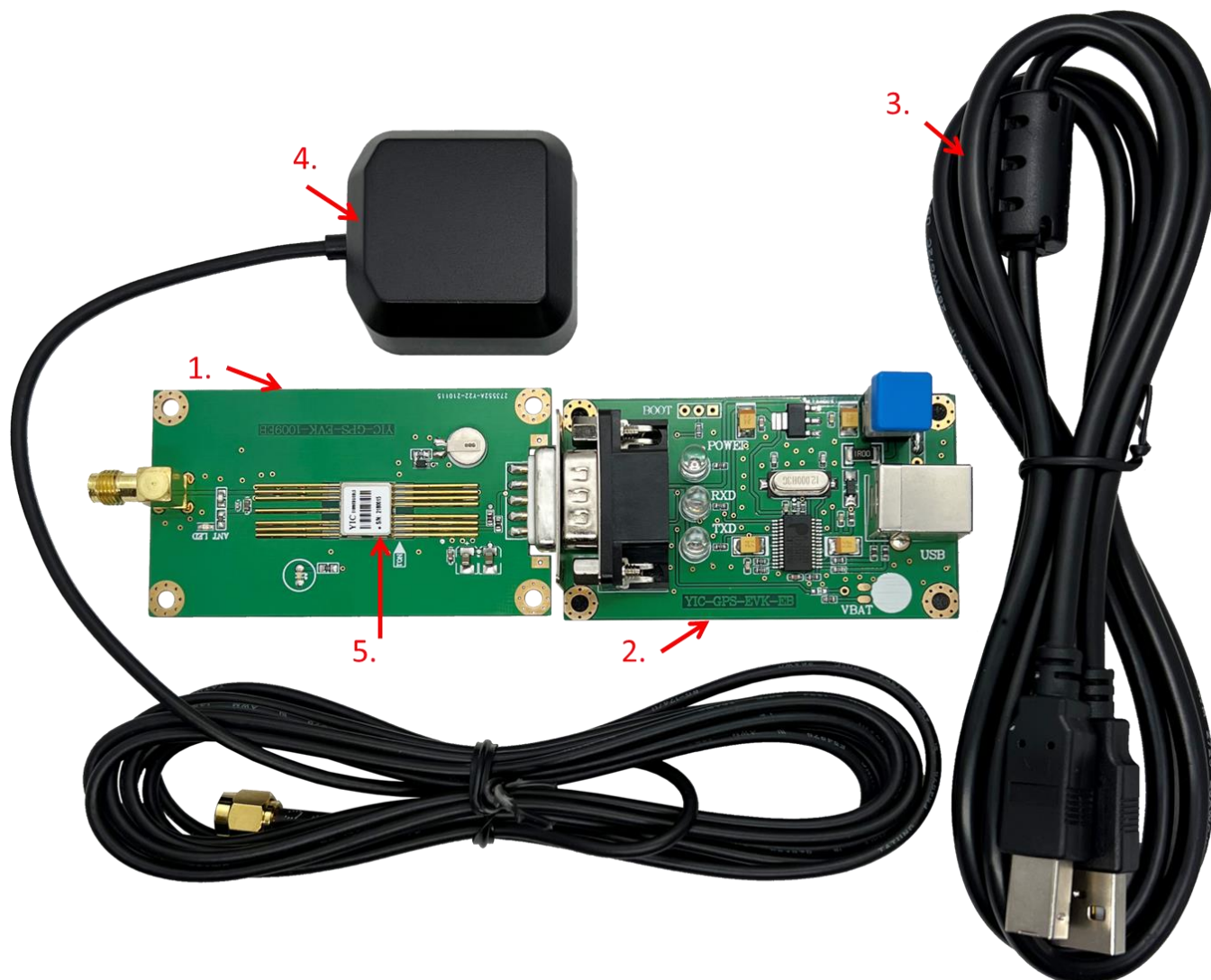
# Evaluation Kit for YIC51009EB Series

## EVK-YIC51009EBGGBL5

# User Guide

**www.yic.com.tw**

## 1. Contents of EVK-YIC51009EBGGBL5

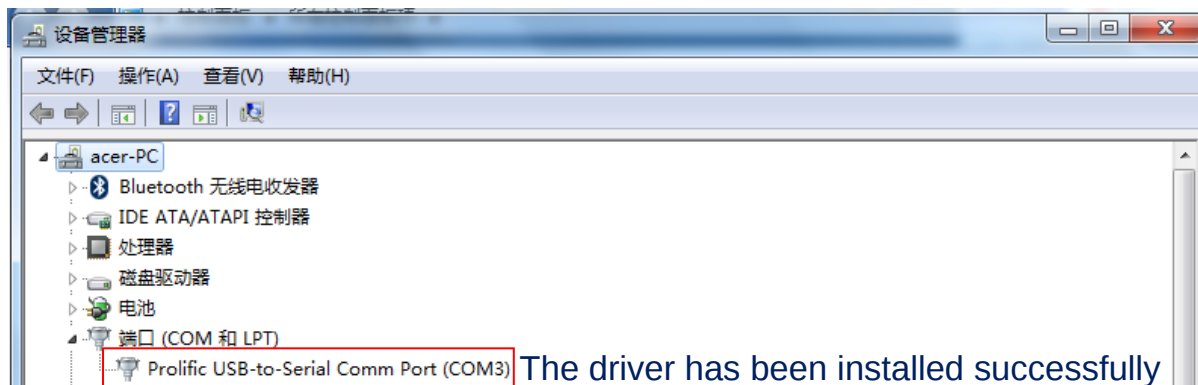


|    | Item               | Description                     |
|----|--------------------|---------------------------------|
| 1. | YIC-GPS-EVK-1009EB | Main Board                      |
| 2. | YIC-GPS-EVK-1009EB | Adaptor Board                   |
| 3. | USB Cable          | USB Type B to USB Type A        |
| 4. | ATGGL54138M-SMA-3  | Dual Band GNSS L1+L5 Antenna    |
| 5. | YIC51009EBGGBL5    | Sub-1 Meter L1 + L5 GNSS Module |

## 2. Install the PL2303 USB driver to PC

 PL2303\_Prolific\_DriverInstaller\_v1210.exe

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

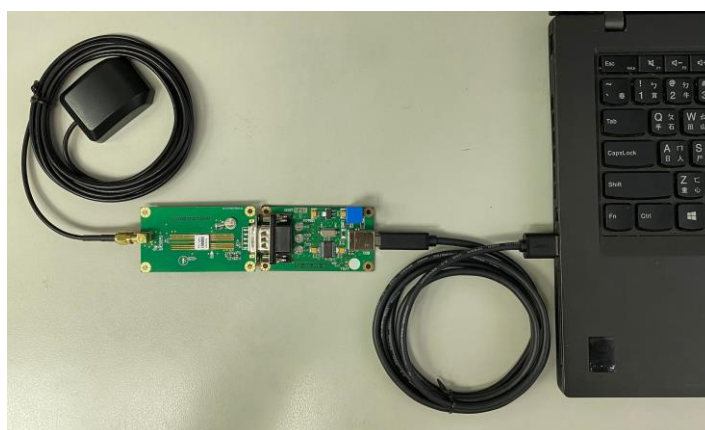


## 3. Connection diagram

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



3.2 Test connection



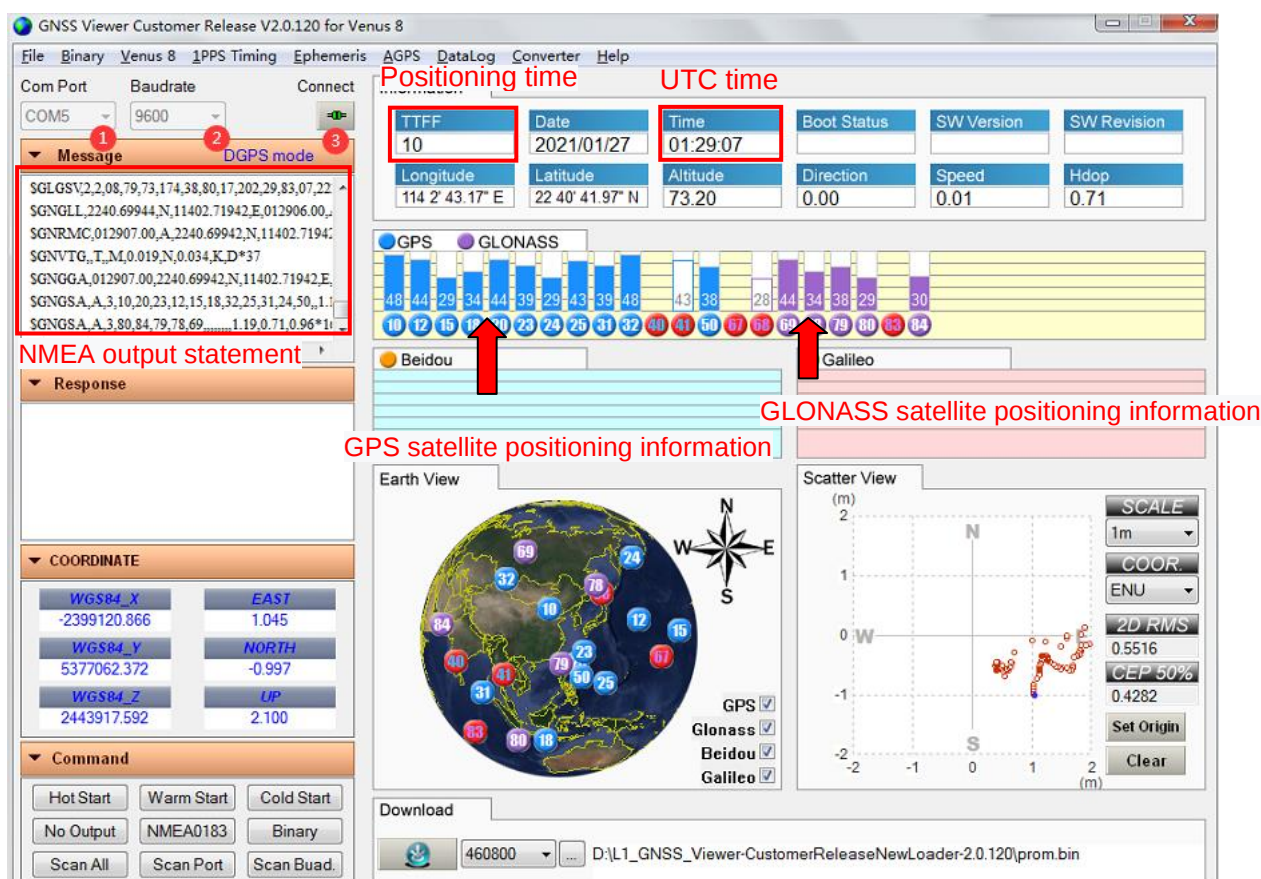
## 4. Install test software & start

### 4.1 For YIC51009EB series (MediaTeK chip based)

#### 4.1-1 Install test software: GNSS Viewer

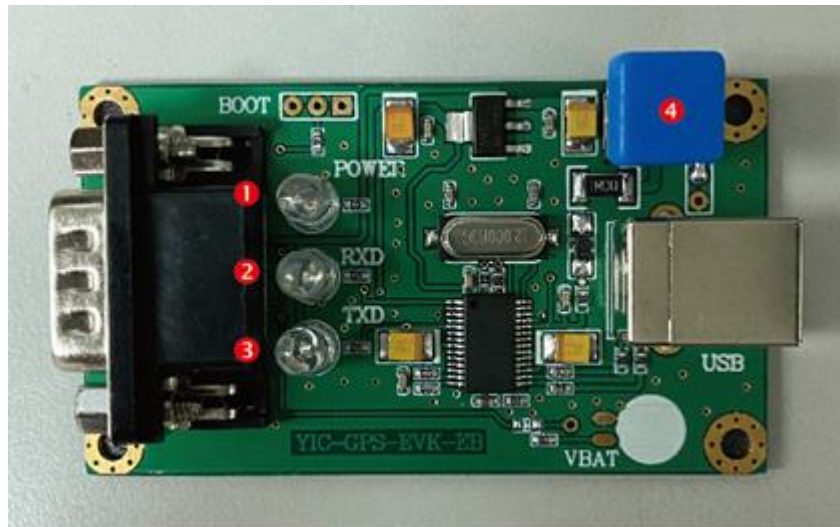
#### 4.1-2 Software setting

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



### 5. LED and Push Button description

#### 5.1 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

#### 5.2 Main Board

PPS LED: Flash once per second after satellite position fixed