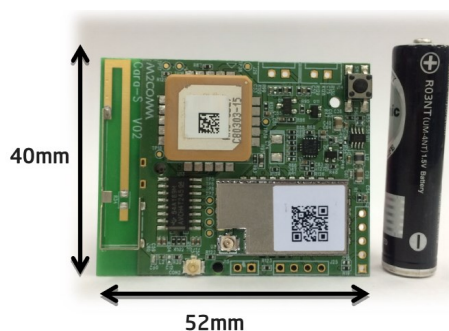


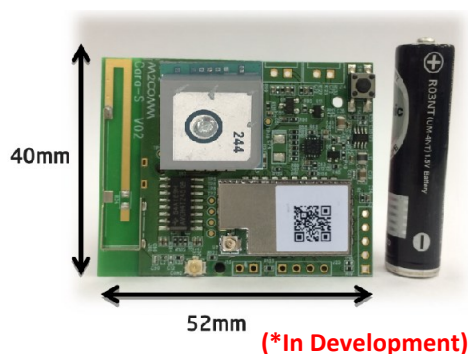
# UPLYNX XS8001 Tracker Cara-S / Cara-XS(GPS)

One Tracker for Sigfox Global Network

Cara-S



Cara-XS



## Feature :

- \* One Tracker for Sigfox **RC12345** Compliant
- \* Integrate GPS Module / G-Sensor / Temperature Sensor / Battery Sensor without Extra MCU
- \* Antenna for Sigfox / GPS on Board
- \* Ultra Low Power GPS Solution(\*Cara-XS)
- \* **Module-On-Board Design Support**

## Battery Life :

Report Rate	1 / Day		24 / Day		144 / Day	
Zone	RC135	RC24	RC135	RC24	RC135	RC24
Cara-S	2.27yrs	2.44yrs	0.67yrs	1.34yrs	0.13yrs	0.32yrs
<b>Cara-XS</b>	<b>7.34yrs</b>	<b>9.51yrs</b>	<b>0.78yrs</b>	<b>1.86yrs</b>	<b>0.14yrs</b>	<b>0.36yrs</b>

(\* Testing Condition : 25°C / Class 0 / AAA \* 2 / 1000mAh)

## Interface :

Pad Name	IO	Function
UART_TX	O	UART TX data (9600bps) to host UART Receiver
UART_RX	I	UART RX data (9600bps) to host UART Transmitter
GPIO	IO	External Button
JDAT	I	JTAG Interface DAT
JCLK	I	JTAG Interface CLK

Support RC12345 :  
\* Sigfox verified Modem Module  
\* Auto RC12345 Configure

GPS :  
\* GPS L1C/A  
\* Glonass L10F  
\* Galileo E1B/C  
\* SBAS L1C/A  
\* QZSS L1C/A  
\* QZSS L1 SA/F

G-Sensor Detection :  
\* 6D/4D Orientation  
\* Free-Fail and Motion

Temperature Sensor :  
\* -30°C ~ 85°C  
\* ±1°C Accuracy

Battery Sensor :  
\* Low Battery Detection

Others :  
\* Embedded Powerful MCU  
\* Data Log Recording  
\* Watch Dog Function  
\* Power Saving Engine

SDK Available :  
Lib v2.2.3

Operating Temperature :  
\* -40 °C ~ 85°C

Module-On-Board Design Support for Customization

Elite Semiconductor  
Memory  
Technology Inc.  
NO. 23, Industry E. Rd. IV,  
Hsinchu Science Park,  
Hsinchu 30077, Taiwan,  
R.O.C.

