

EVALUATION KITS

CC7100W EVK



CC7100Q EVK



CM121 EVK



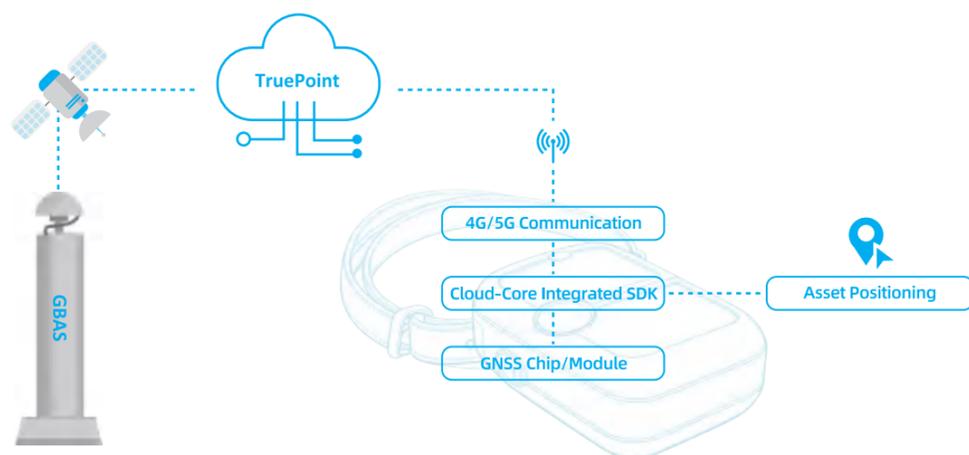
CS101 EVK



TEST TOOL



CLOUD-CHIP INTEGRATED SOLUTION



Asset Tracker

Precise Positioning Makes IoT Communication Smarter

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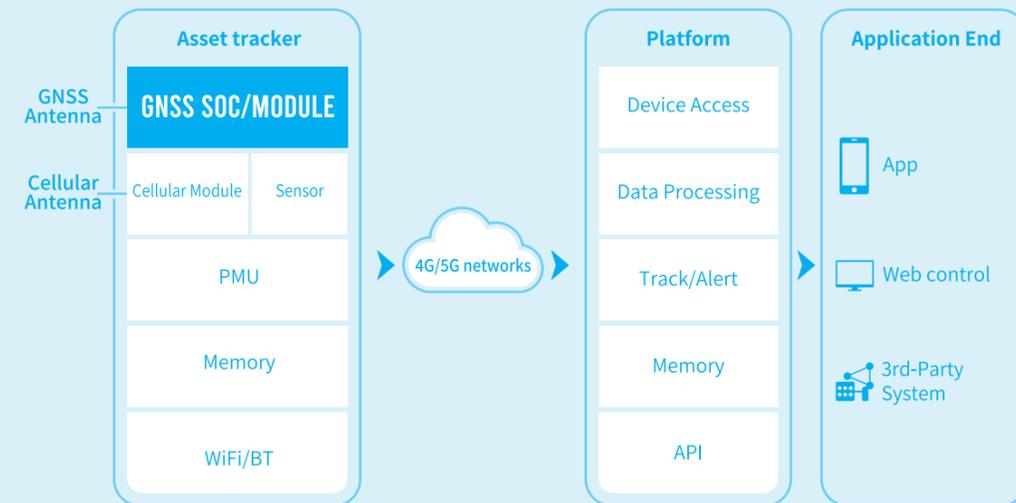
ABOUT US

ICOE (Shanghai) Technology is a leading provider of positioning chips and full-stack solutions, specializing in location-based services. We deliver intelligent, reliable positioning chips and customized solutions for the global IoT and consumer electronics markets.

Leveraging on our core strengths in ultra-low power consumption, high performance, and compact design, our products are widely used in wearables, smart IoT devices, and other fields worldwide.

ASSET TRACKER

The asset tracking industry is trending toward ultra-low power, hybrid positioning, miniaturized integration, and AI-enabled predictive monitoring. A complete asset tracker integrates multi-constellation GNSS, LPWAN/cellular, low-power MCU, environmental sensors, and power-optimized hardware, supported by cloud platforms for end-to-end visibility and intelligent operation. ICOE Focuses on IoT industry, leveraging its technological advantages in low power consumption, high performance and compact size to deliver precise positioning and tracking for asset trackers in various complex scenarios.



LOGISTICS / TRANSPORTATION - CC7100W / CC7100Q

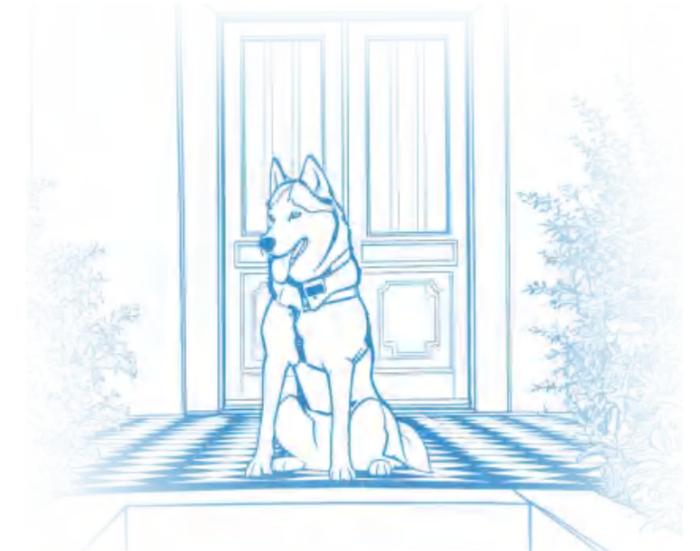
- Available in WLCSP and QFN packages to suit different application requirements
- Adaptive anti-jamming capability
- Real-time and predicted A-GNSS
- High sensitivity: -149 dBm(Acquisition), -165 dBm(Tracking)

Frequency	Single-band L1
Constellation	GPS/BDS/GLONASS/Galileo/QZSS
Cold start sensitivity	-149dBm
Tracking sensitivity	-165dBm
TTFF (Cold Start)	26s
Positioning accuracy	1.5m
Velocity Accuracy	0.1 m/s
Tracking power consumption	22mW
Interfaces	UART x 2, I ² C x 1, SPI x 1
Package	WLCSP 1.8*2.1*0.5(mm) QFN 4.4*4*0.75(mm)



PET TRACKER - CS101

- Compact Integration: built-in LNA, SAW and TCXO
- Low power consumption
- Adaptive anti-jamming capability
- Real-time and predicted A-GNSS



Frequency	Single-band L1
Constellation	GPS/BDS/GLONASS/Galileo/QZSS
Cold start sensitivity	-149dBm
Tracking sensitivity	-165dBm
TTFF (Cold Start)	26s
Positioning accuracy	1.5m
Velocity Accuracy	0.1 m/s
Tracking power consumption	35mW
Interfaces	UART x 2
Package	LGA 4.5*4.5*1.1(mm)

FLEET MANAGEMENT / UBI INSURANCE / OBD - CM121

- Tracking consumption < 46mW
- Adaptive anti-jamming capability
- Real-time and predicted A-GNSS
- Pin compatible with popular package for easy design

Frequency	Single-band L1
Constellation	GPS/BDS/GLONASS/Galileo/QZSS
Cold start sensitivity	-149dBm
Tracking sensitivity	-165dBm
TTFF (Cold Start)	26s
Positioning accuracy	1.5m
Velocity Accuracy	0.1 m/s
Tracking power consumption	35mW
Interfaces	UART x 1, I ² C x 1
Package	18-pin LCC 10.1 x 9.7 x 2.5(mm)

