

EVALUATION KITS

CM260R EVK



CC7100W EVK



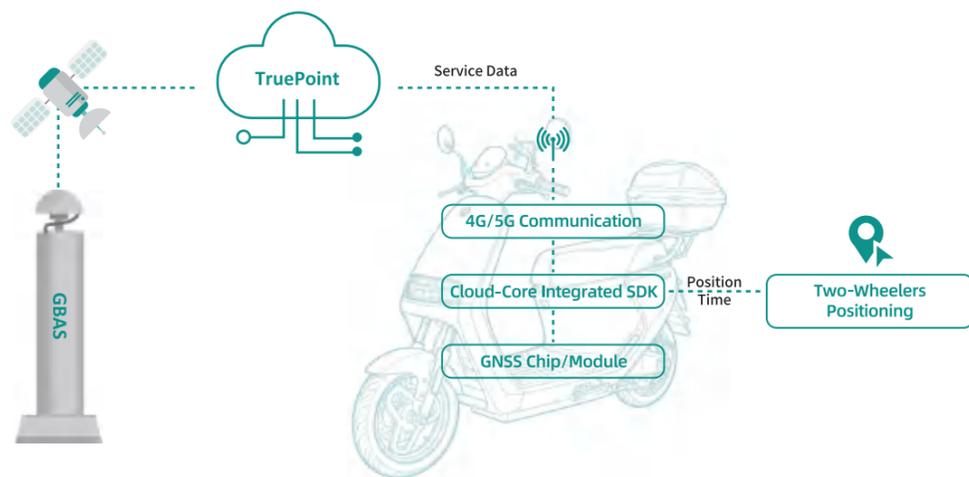
CC7100Q EVK



TEST TOOL



CLOUD-CHIP INTEGRATED SOLUTION



Two-wheelers

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.

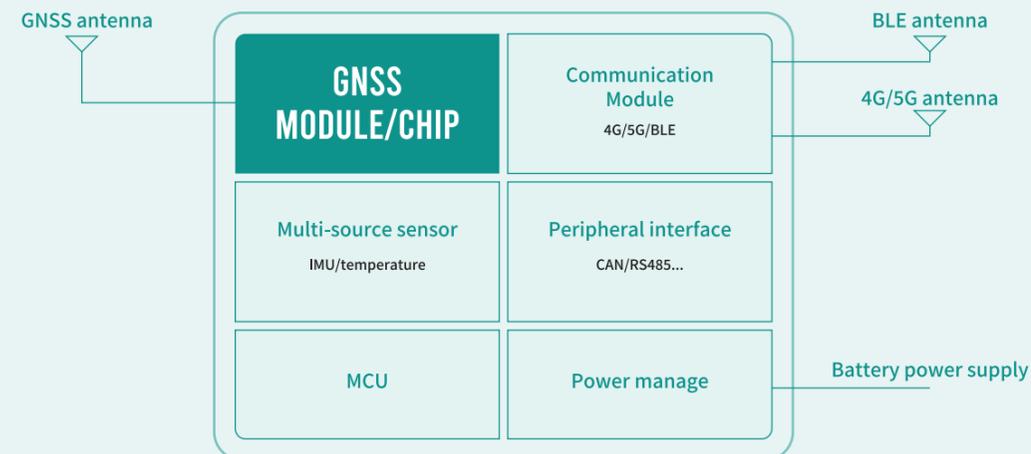
Leveraging on our core strengths in ultra-low power consumption, high performance, and compact design, our products are widely used in wearables, smart IoT devices, and other fields worldwide.

TWO-WHEELERS

Two-wheelers are integral to modern urban transport. Their intelligent management and safety rely on positioning systems, where the GNSS chip is critical for location accuracy, data reliability, battery life, and security.

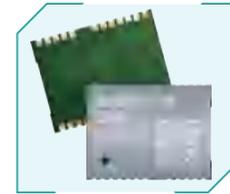
ICOE's GNSS chip is optimized for two-wheeler, supporting meter to centimeter-level real-time positioning with high-precision RTK algorithm. It features anti-occlusion and anti-jamming, ensuring stable performance in complex environments, and have been massively deployed by many leading shared e-bike, smart e-moped, and electric motorcycle manufacturers worldwide, securing a leading market share in the two-wheeler positioning chip sector.

TWO-WHEELERS SOLUTION



SHARED MICROMOBILITY - CM260R

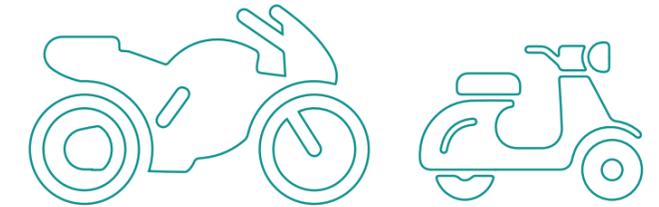
- ◎ Dual-band, RTK algorithm inside with centimeter accuracy
- ◎ High update rate (up to 10Hz) for highly dynamic applications
- ◎ Real-time and predicted A-GNSS
- ◎ High sensitivity: -148 dBm(Acquisition) , -164 dBm(Tracking)



Frequency	Dual-band L1+L5
Constellation	GPS/BDS/GLONASS/Galileo/QZSS
Positioning Accuracy	Single-point positioning 1.0 m RTK positioning 1 cm + 1 ppm
Velocity Accuracy	0.1 m/s
TTF (Cold Start)	24 s
Cold Start Sensitivity	-148 dBm
Tracking Sensitivity	-164 dBm
Tracking Power Consumption	100 mW
Interface	UART×2, I ² C×1, SPI×1
Package	24-pin LCC, 16.0 × 12.2 × 2.4 (mm)

INTELLIGENT TWO-WHEELED VEHICLES - 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
Tracking Power Consumption	<22mW
AGNSS TTF (Cold Start)	3s
Cold Start Sensitivity	-149dBm
Tracking Sensitivity	-165dBm
Positioning Accuracy	1.5m
Velocity Accuracy	0.1m/s
Interfaces	UART×2, I ² C×1, SPI×1
Package	WLCSP 1.8×2.1×0.5(mm) QFN 4.4 × 4 × 0.75 (mm)