

REDUCE THE COST OF
TRANSPORTATION







T-BOX HQT418

TELEMATICS BOX FOR MOTORCYCLES



HQT418 is a high-protection, small-sized TBOX which can realize vehicle fault monitoring, vehicle remote control, vehicle power monitoring and management, vehicle security services and anti-theft, OTA upgrade of vehicle TCU system, vehicle CAN bus data acquisition and analysis, etc.

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INTELLIGENT AN-
TI-THEFT THROUGH
TRIPLE POSITIONING | 
LOCAL STORAGE
OF
DRIVING RECORD | 
ONE-CLICK
SEARCH FOR
MOTORCYCLE | 
NON-INDUCTIVE
UNLOCK BY
BLUETOOTH | 
ABNORMAL
ALARM | 
REMOTE
OTA
UPGRADE |
| 
STANDBY BATTERY
WITH INDEPENDENT
OPERATION | 
TIMED/REMOTE
WAKE UP | 
DATA ACQUISITION
(CAN DATA, MAIN/-
STANDBY VOLTAGE) | 
CURVE TRAJECTORY
COMPENSATION
MECHANISM | 
FAULT
DIAGNOSIS | 
ELIMINATING INVALID
LOCATION DATA BY FIL-
TERING ALGORITHM |

APPLICATION SCENARIOS



Performance Parameter	
MCU	Cortex-M4F@64MHz
Storage	64Mbit
Communication Module	4G LTE Cat1
	LTE-TDD: B38/B39/B40/B41 LTE-FDD: B1/B3/B8
BT	BLE5.1, BLUENRG-3
GNSS	GPS/BD
	Positioning accuracy:≤5m (CEP50) TTFF:Cold start≤32s/Hot start≤1.5S
RTC	24h±5s
IMU	6-axis sensor
PMU	Multiple mode power management
SIM	eSIM
Antenna	Built-in
Backup Battery	Lithium battery, 110mAh
Operating Voltage	8V-40V
Standby Current	≤1mA
Operating Temperature	-20℃~+75℃
IP Grade	IP67
Size	47*92.5*20.6mm
Material	PC+ABS

Product Function		
Positioning	Type	GPS/BD、LBS、AGNSS
	Trajectory	Support removing invalid data
Communication	BT	Unlock/Light Control
	Platform	Supports multi platform connectivity
Time&Timing	GPS time and timing	Support
Data Acquisition	Switching value	Support collecting multiple switching values
	Voltage	Support main/backup power voltage collection
	CAN	Support collecting/sending CAN data
		1 channel, 250Kbps, 500Kbps, 1Mbps can be configured
Data Reporting	Support CAN wake-up	
	Event reporting	Detection events, driving behavior analysis, safety incidents
	Electronic fence	Support multiple electronic fences
Data Storage	Supplementary reporting of data in case of communication abnormalities	
	Data supplementary report	
data Encryption	Real time data storage	Save real-time data at configurable time intervals
Terminal Management	data encryption	The communication between T-BOX and the platform supports encryption
	Power management	Normal operation/sleep/low voltage shutdown mode
	Terminal control	Support remote program upgrades, parameter settings, etc

15+

DEVELOPMENT HISTORY

700+

TOTAL EMPLOYEE

1500m²

EXPERIMENTAL SITE

27000m²

FACTORY SITE

3000000+

ANNUAL PRODUCTION CAPACITY

10000000+

CUMULATIVE SHIPMENT

Hangzhou HopeChart IoT Technology Co., Ltd. was established on June 11th, 2009, and landed in science and technology innovation board of Shanghai Stock Exchange on November 6th, 2019 (stock code: 688288), with a registered capital of 100,343,920 yuan. With the mission of "reducing the cost of transportation", Hopechart has continuously expanded the application fields of intelligent connected products for more than 10 years, and successfully promoted the connected products from commercial vehicle to many sub-fields such as new energy vehicle, non-road machinery, and motorcycle. Through independent R&D and manufacturing capabilities from design planning, development, mold making to production, we are committed to providing customers with intelligent network system and service based on hardware terminal and vehicle networking platform.

OUR CLIENTS

