

— About NVR

Founded in 2009 in Silicon Valley, NVR is a leading provider of intelligent electronic control systems and IoT solutions. Committed to our mission "NVR is your electrification partner" we strive to deliver cutting-edge solutions that meet the evolving needs of our customers.



TX4000 Telematics Box



The TX4000, as a multifunctional telematics terminal, boasts high reliability and information collection and processing capabilities. It features satellite positioning (supporting GPS), cover detection, remote vehicle locking, remote upgrades, offline storage, and Bluetooth functions. In terms of hardware, it has added a watchdog and encryption chip design, making the product more secure and reliable.



Universal for All Equipment

— Features

- Supports GPS dual-mode positioning and base station auxiliary positioning, positioning accuracy up to 2 meters
- Supports real-time reporting of TBOX data and vehicle working condition data, and masters the vehicle status at any time
- Supports remote locking and one-click vehicle search, improving vehicle safety and convenience
- Supports remote OTA upgrade, improve equipment iteration efficiency and reduce labor travel costs
- Supports low power consumption design, and the longest standby time can reach 3 months
- Supports offline storage and network retransmission to ensure no data loss

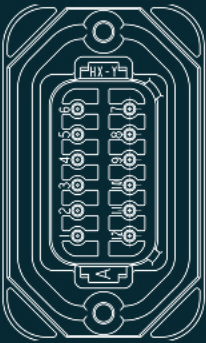
- Supports local Bluetooth unlock
- Supports high-performance EMC protection and up to IP67 protection level, adapting to complex working conditions of the vehicle

— Specifications

Category	Descriptions
Rated Current	≤ 50 mA @ 24 V
Operating Voltage	8 - 36 V
CPU	Cortex - M4, 80MHz
Max Input Port	2 Channels (AI/DI)
Max Output Port	4 Channels (Max. 2A)
CAN Communication	2 Channels
RS232	1 channel
RS485	1 channel
Cellular Communication	4G CAT1 / CAT4
Bluetooth Version	Version ≥ 5.2
Wi-Fi	Wi-Fi 4
Ethernet	-
Data Storage	16MB
Accelerometer	3-Axis Accelerometer
Barometer	-
OTA	✓
GPS/Base Station	✓
Secondary Development	-
Standby Time	90 days
Design Life	5 years (excluding batteries)
Dimensions (mm)	130.8 × 125.6 × 33.7 MM
Weight	0.254 kg ± 0.01 kg
Protection Rating	IP65 / IP67
Operating Temperature	-30 °C - +70 °C
Storage Temperature	-40 °C - +80 °C
Product Certifications	Multinational certifications such as CE, FCC

— Connector & PIN Definition

Connector Modell: TE DT15-12P



Pin	Definition	Function	Descriptions	Remarks
1	BAT+	External power input	Tape voltage detection	-
2	DI1	ACC electricity	-	ACC OFF
3	GND	Power and signal ground	-	-
4	CAN1_L	CAN1_L	-	No signal input
5	CAN1_H	CAN1_H	-	No signal input
6	CAN2_H	CAN2_H	Optional RS232/RS485	No signal input
7	RS232_TX	RS232_TX	-	-
8	RS232_RX	RS232_RX	-	No signal input
9	CAN2_L	CAN2_L	Optional RS232/RS485	No signal input
10	A1	Receiving Hour Meter	-	Untimed Meter
11	OUT1	Latching car relay	-	-
12	OUT2	Connecting horn	-	-

— Dimensions

