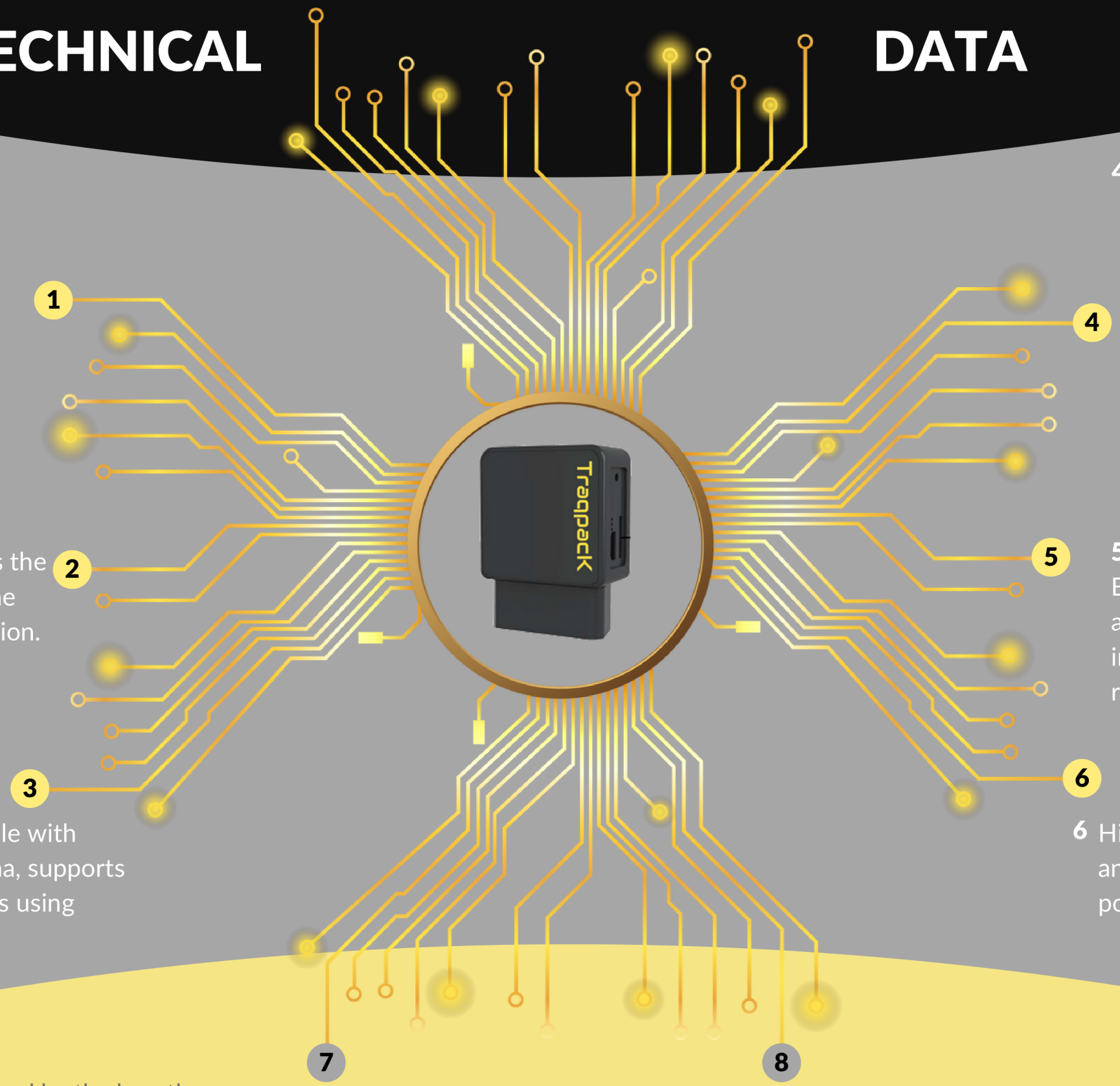


Traqpack

OBD TECHNICAL

DATA



1
Adopt advanced 32-bit MCU processor to easily handle car data acquisition and analysis and data reporting functions.

2
Stable OBD data acquisition algorithm accurately obtains the data flow of vehicle operation, analyzes and processes the data, and extracts 24 items of vehicle operation information.

3
The terminal uses an industrial-grade GPRS module with high stability, built-in GSM high sensitivity antenna, supports TCP/IP data transmission, and connects to servers using domain name /IP address.

7
According to the data stream acquired by the bus, the accuracy of fuel consumption, mileage and speed can reach 95%, 99% and 100% respectively.

4
Built-in large-capacity memory chip, supports offline data storage and data transfer in blind areas. When the vehicle is in the place where the wireless signal is weak or the interference is serious, the vehicle will temporarily store the data of the vehicle operation in FLASH. When the wireless signal is restored to normal, the data can be transmitted to ensure that the data is not missing.

5
Built-in 3-axis acceleration sensor integrates the precise acceleration algorithm to obtain the current vehicle attitude in real time, supporting the judgment of rapid acceleration, rapid deceleration, sharp turn and collision.

6
High sensitivity GPS module, anti-jamming active GPS ceramic antenna, GPS star search signal more stable, support AGPS fast positioning and tracking, synchronous timing;

8
The remote vehicle fault diagnosis and reminder cloud platform monitors the operation information of the car, and sends abnormal faults generated by the vehicle to the owner in a timely manner.

OBD TECHNICAL

DATA

9

In the sleep mode, automatically reports messages such as battery low voltage monitoring alarm and abnormal vibration alarm when the vehicle starts, flouts and sleep.

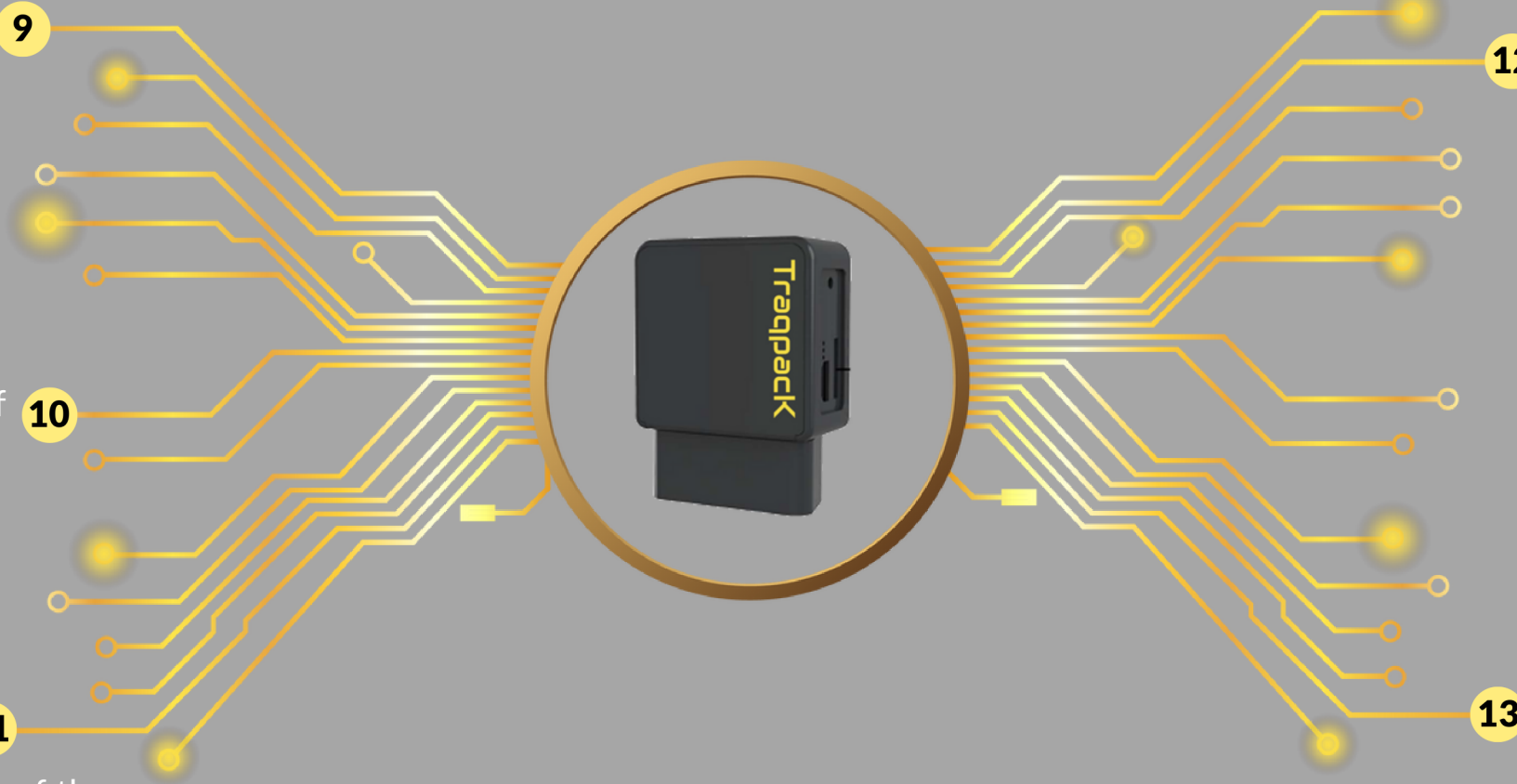
10

Supports online remote upgrade and remote configuration of product parameters.

11

According to a reasonable data acquisition frequency of the bus, data on the bus can be collected more intensively without interfering with the normal communication of the bus, and the running status of the car can be monitored more safely and reliably.

9



12

12 A low-power energy-saving mode, which accurately determines the ignition and shutdown state of the car, features an intelligent sleep and wake up mechanism, which reduces the average power consumption of the whole system.

13

13 A dual battery voltage measurement and low voltage alarm using either CAN and AD boosts reliability by reading the voltage of the vehicle's battery via the CAN data stream as well as the AD port on the bus and car.

Item	Function	Yes	No	Description	
Electrical Features	Power Supply	●		Car Battery	
	Working Voltage	●		DC 9V - 36V	
	Working Current	●		12V/Average 70mA	
	Sleep Current	●		12V/Average 17mA	
Environment	Inner-battery	●		140 mAh (3.7V polymer battery) Optional	
	Working Temp	●		-20°C - 75°C	
	Storage Temp	●		-30°C - 80°C	
OBD Chip	Working Humidity	●		10%-85% RH non-condensing	
	Chipset	●		ARM stm32	
OBD Protocol	Protocol	●		ISO15765-4	
Communication	Cellular Module	●		QUECTEL EC200S	
	Frequency Band	●		LTE/4G	LTE-FDD:B1/B3/B5/B8
					LTE-TDD:B34/B38/B39/B40/B41
				GSM/EDGE/2G	900/1800 MHz
	SIM Card	●		Micro SIM Card	
	Antenna	●		Internal Antenna	
	Antenna Type	●		FPC	
GNSS Chip	GNSS Chip	●		AT6558D	
	Position Way	●		BEIDOU+GPS	
	Cold Start Time				
	Hot Start Time				

Item	Function	Yes	No	Description
Tracking Sensitivity	Tracking Sensitivity	●		-162 dBm
	GPS Antenna	●		Internal Ceramic Antenna
	GPS Antenna Size	●		25mm * 25mm * 4mm
	GPS Band	●		L1: 1575.42±1.023MHz
	Beidou Band	●		B1: 1561.098±2.046MHz
	Satellite Channels	●		64
	Position Accuracy	●		<10m (1σ)
	Timing Accuracy	●		<30ns (1σ)
	Speed Accuracy	●		<0.1m/s (1σ)
	Max Accelerated Velocity	●		4g
	Max Speed	●		515m/s
	Max Height	●		18000m
	ACC Input	●		1 wire
	External Interface	CAN Bus	●	
Dimension	Device Size	●		58mm * 45mm * 22mm
	Material of Shell	●		ABS
	Weight	●		54g

Frequency Bands:

LTE Bands (Cat M1): LTE FDD:

B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19

/B20/B25/B26*/B27/B28/B66/B71/B85.

GNSS Chip: AT6558D (BEIDOU+GPS).