"Core" connects you and me,and "wisdom" connects the Future

In-vehicle intelligent host

Model： HX-M20

Product overview：

• The vehicle intelligent host is mainly composed of three parts: 4G module, GPS module and core processing module, equipped with GPS and 4G antenna, to achieve precise positioning and return transmission of positioning data in the case of car movement.

Application scenarios：

• Vehicle intelligent hosts are mainly used in most areas of mobile positioning such as buses and private cars.

Product functions：

• Exterior design (full industrial design, metal shell, protection class IP30, wide voltage input, with reverse protection of power supply.)

• Multi-network support (vehicle smart host backward compatible with 3G/2G network standards, support automatic network detection, 4G/3G/2G standard switching, support APN/VPDN private network card, support wired/4G multi-network simultaneous online, multi-network intelligent switching backup function, support 2.4GHz band WiFi, choose wired/WiFi networking mode.)

• Multi-satellite positioning system (vehicle-mounted intelligent host is a multi-satellite concurrent GNSS module that supports inertial navigation fusion positioning, supporting GPS, GLONASS, BeiDou, Galileo and QZSS multi-satellite systems. It integrates a 6-axis sensor and a powerful GNSS algorithm engine, with excellent fusion positioning performance, and is a series of automotive-grade GNSS positioning modules manufactured in strict accordance with IATF16949:2016 automotive industry quality management system standards.)

• High-precision positioning (the vehicle-mounted intelligent host uses the number of visible satellites when driving in dense urban canyon environments, reducing the time to first position, and improving positioning accuracy, enabling accurate positioning even in harsh environments.) The integrated low-noise amplifier greatly improves the receiving performance of the module, ensuring excellent positioning performance even in weak signal environments.)

• Inertial navigation (inertial navigation, fusion positioning not only improves positioning accuracy in harsh environments, but also performs continuous positioning in environments without GNSS signals, such as tunnels, complex environments in mountainous areas, etc.)

• Multiple protection (the vehicle intelligent host has multiple protections such as surge and electric fast pulse burst, built-in hardware watchdog, fault self-detection and self-repair, to ensure that the system provides 4G network stably.)

Product pictures：

• accessories

| 4G antenna | WIFI antenna | Power connector | GPS antenna |

Product specifications：

Product model	• HX-M20
Installation method	• Fixed placement in the vehicle or bracket mounting fixation
Network port	• Supports 10/100M Ethernet
flash memory	• SPI Flash ：32M
Wireless WIFI	• 2T2R 2.4GHz with 300Mbps wireless WiFi
4G Module	• Model EC25-E,4G LTE,interface PCPCIE/LCC（Different

	countries, different models)
GPS Module	• GLONASS,BeiDou, Galileo and QZSS
power supply	• Voltage 9~30V Recommended voltage (12V)
power consumption	• Operating power consumption 2.2W~2.5W
Size	• 147mm x 40mm x 103mm
Net weight	• 350g
Gross weight	• 500g
Working environment	• Operating temperature(-0°C~40°C) • Operating humidity (10~80 %RH (non-condensing)) • Storage temperature (-40°C~70°C) • Storage humidity (5~90 % RH (non-condensing))
List of accessories	• 4G antenna (x2), GPS antenna (x1), WiFi antenna (x1), DIV antenna (x1) • User Manual (x1)

Company website	Technical support contact information	Sales hotline	Buy online
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