elocation.pro | Mobile IoT, We Are Professional !

Features

Faster and more accurate positioning

Built-in GPS (USA) and GLONASS (Russia) dual-satellite GNSS module and full-band LTE communication module, supporting A-GPS function (Cell Locate)

Powerful data transmission

Supports 2G, 3G, and 4G connections, and TCP, UDP, FTP, HTTP and SMS data transmissions

Reliable security

Alarm of geo-fence, main power removal, GNSS antenna is not connected or removed, when external power failure IDU can still work for several hours

Accurate mileage calculation

Calculate the mileage every second automatically, lower the error of oil subsidy

Self remote fault detection

IDU failure detection and remind , remote FOTA, shorten the service interruption

Car battery fault notification

Detect battery voltage at any time to avoid the voltage is too low to start the vehicle

Extension to various equipments

Supports a variety of extension equipments, such as: temperature monitoring, dispatch panel, barcode reader, punch card clock, iButton, etc to fullfill different applications

Built-in G-sensor module

Gravity acceleration detections for abnormal acceleration, collision or impact

瞰車大 elocation.pro

fleet.elocation.pro
Fleet Management Service
+886-2-82280600

CCAF17Z10330T1
Made In Taiwan

eLocation.pro Brand Story

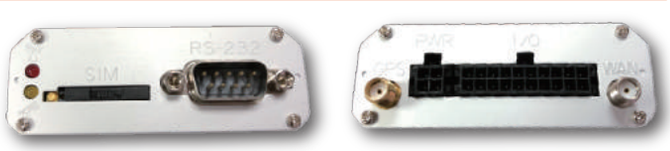
In year 2000, the U.S. government announced that the Global Positioning System (GPS) was opened for civilian use and opened the door for GPS commercialization. In the same year, RITI Technology used the GPS satellite positioning technology, GPRS mobile communication technology, GIS geographic information system and Internet experience advantages of high-tech services such as Internet applications, to set up the first satellite fleet management service platform eLocation (elocation.com.tw) in Taiwan, providing fleet management solutions for the corporate customers.With accumulated domain knowledge during more than 18 years, eLocation provides a variety of mobile resource solutions. eLocation already breaks through the traditional scope and extend the business into the warehouses, stores and goods management. No matter you choose the fleet management, logistics management TMS+ or the IoV eLocation service, eLocation.pro is more capable, more comprehensive, and meet more to business owners' expectations than ever. In short, just Pro!

IDU - Intelligent Data Unit

The IDU-400 is a GNSS Intelligent Data Unit (IDU) with wireless transmission capabilities. It provides users a smart fleet management total solution. IDU can do monitoring, dispatching, and managing vehicles through eLocation satellite fleet management cloud platform and mobile phone APP. If the IDU is connected to other devices, such as dispatching panels, temperature sensors, etc., the information of these extension devices can be transmitted back to the platform through the IDU to integrate the Internet of Things concept for big data applications. The eLocation solution provides customer decision-making reference when managing, and provide the improvement of enterprise operating performance.

Specifications

Dimensions	71mm x 85mm x 26mm
Operating Voltage	8~33VDC
Working Current	Peak < 500mA @24VDC; Standby <80 mA @24VDC
Operating Temperature	-20℃~60℃
LTE module	2G：850、900、1800、1900 MHz 3G：B1、B2、B5、B8 4G：B1、B3、B4、B5、B7、B8、B28
GNSS Chip	GNSS chip u-blox M8 ; Sensitivity -164 dBm
Input Port	Digital input x 5 sets Analog input x 2 sets Temperature sensing x 2 sets SOS signal x 1 set 1-wire x 1 set
Output Port	Digital output x 4 sets
Serial Port	RS-232 port x 2 sets
Memory	Memory capacity 4MB (up to 30,000 data can be stored) When communication quality is poor, data will be saved and be re-sent to server after communication is back to normal
Standard Accessories	GNSS antenna, LTE antenna, power cable set, backup battery
Optional Accessories	Barcode reader / PND dispatch panel / Temperature sensor / SOS emergency button / Oil level sensor / TPMS / i-Button / DVR / RFID Reader / Punch card clock / EPA Kits
Certifications	Meet the NCC certification, China Steel's procurement specifications, Environmental Protection Agency vehicle Inspection, MITTaiwan Manufacturing Quality Assurance, Patent 1307324



RITI Technology Inc. 銳俥科技股份有限公司
23552 16th Floor, No. 716 Zhongzheng Road, Zhonghe District, New Taipei City, Location Coordinates 24° 59' 49"N. 121° 29' 9"E
TEL:886-2-8228-0600 / FAX:886-2-8228-0601 / serve@mail.riti.com.tw

1805R001