YB TRACKING

iridium

YB3i can report your position and provide communication options from anywhere on Earth with a view of the sky.

Operates as a standalone GPS tracker, and is compatible with iPhone/iPad and Android for messaging. It can also be used to transmit key NMEA data back to shore.

Features

- Autonomous GPS tracking
- Various mounting options for covert or non-covert installation
- Transmission via both GSM and/or Iridium Satellite (via optional add-on)
- Full 2-way communication system from anywhere on Earth
- Integrated Power Conditioning (9-30v)
- Internal Battery Backup, allows for up to 2 weeks of unpowered operation
- Truly Global Operation, using the Iridium satellite network
- Over-the-air reconfiguration of key parameters such as tracking frequency
- Can work with other equipment to provide automated alerting features
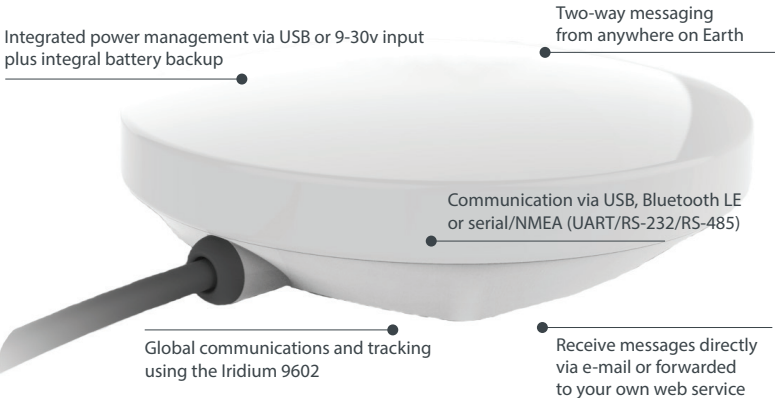
Features & Contract Options

YB3i Device Costs	Individual Price
YB3i Iridium-Only	£469.00
Optional GSM add-on for least cost routing	£100.00
Optional NMEA add-on	£60.00

Corporate accounts can have more than one device per account, and pool credits between devices

Monthly Line Rental	£15.00

There is no minimum contract, simply pay per month when you need to use the YB3i

Credits (used for messages)		
Bundle	Price Per Credit	Bundle Price
500 Credits	£0.09	£45.00
1000 Credits	£0.08	£80.00
2000 Credits	£0.07	£140.00
5000 Credits	£0.06	£300.00
10,000 Credits	£0.05	£500.00
20,000 Credits	£0.04	£800.00
50,000 Credits	£0.03	£1500.00
50,000+ Credits	Further discounts available...	
Volume discounts available for over 10 units - please ask for details		

1 credit is used per position report from a YB3i unit
1 credit is used per 50 characters in a message to/from a YB3i unit
Messages to mobile phones cost 1 additional credit for SMS delivery
Credits do not expire unless no monthly fees have been paid for 12 months
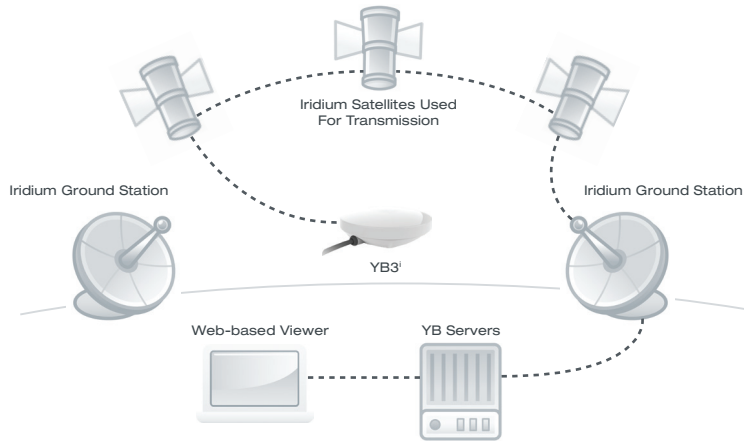All prices subject to VAT and/or any local taxes applicable to your state or country.

Key Functionality

Coupled with our intuitive web-based control panels and your services:

» **Power Requirements** – YB3i takes its power from a 9-30v DC supply. It also has a built-in battery backup unit which will allow it to operate for up to 2 weeks without external power (depending on transmission rate and settings).

» **Messaging** – Combined with our YB-CONNECT app, you can use your smartphone or tablet to send and receive short e-mails and SMS via the YB3i from anywhere.

» **NMEA Interface** – With the optional NMEA add-on the YB3i allows you to connect your own equipment and use the unit to send key NMEA data back to shore along with your tracking positions.

» **Simple Installation** – The YB3i can be installed on a rail, or covertly installed inside the roof lining of your yacht. We also have mounting options to allow mounting on flying bridges and other similar positions.

» **Alert options** – In conjunction with other equipment installed, the YB3i can also automatically send alert messages and change transmission frequency, e.g. man-over-board.

» **Inclusive Mapping** – Every YB3i comes with its own mapping interface, allowing friends, family or your organisation to view your current and historic track data on a simple web-based map.

» **Costs and Contracts** – Please see the table to the left for costs. There is a monthly cost, plus the system uses 'credits' to send and receive messages. There are no annual contracts, you simply pay-as-you-go.

TRACKING

Integrated power management via USB or 9-30v input plus integral battery backup

Two-way messaging from anywhere on Earth

Communication via USB, Bluetooth LE or serial/NMEA (UART/RS-232/RS-485)

Global communications and tracking using the Iridium 9602

Receive messages directly via e-mail or forwarded to your own web service

How does the YB3^i work?

Iridium Satellites Used For Transmission

Iridium Ground Station

Iridium Ground Station

YB3^i

Web-based Viewer

YB Servers

The YB3^i allows you to track the position of your assets, and send and receive short messages from anywhere on Earth with a clear view of the sky. It can transmit using either GPRS or Iridium satellite, and works far beyond the reach of standard WiFi and GSM networks.

Maybe you want to track your assets wherever they go? transmit weather information from mid-ocean? Or use it to control your robot in the middle of the desert? Perhaps you need to communicate in an emergency, when other networks might not be available? YB3^i can help you.

At the heart of YB3^i is an Iridium 9602 modem. The YB3^i hosts the 9602 and provides it with an antenna, and its power supply requirements. Various options are provided for allowing you to communicate with your own systems, via NMEA, RS-232, Bluetooth LE and more.

Iridium is the only satellite network that allows transmission of information from any point on Earth – other networks have no coverage in the polar regions, and have intermittent or no coverage in other marine and land areas.

Iridium has 66 satellites in orbit around the Earth, allowing coverage anywhere on Earth 24 hours a day, 7 days a week. No other satellite network has truly global coverage. Messages sent via Iridium take just seconds to reach you, via e-mail or directly to your web-service.

Physical Properties

YB3^i Unit	120mm diameter x 50mm high
Mounting Options	various (please ask)
Cable Options	3m 9-30v (can be varied)

Environmental Properties

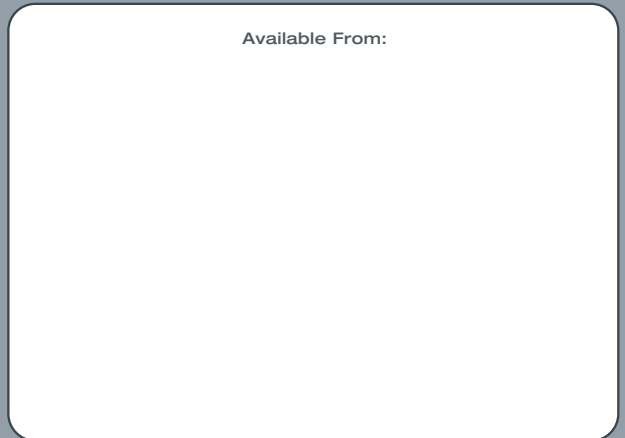|	
Storage Temperature	-40 to 85 deg C
Operating Temperature	-30 to 60 deg C
Operating Environment	< 75% Relative Humidity
Testing	Rugged Unit – Sealed against dust and water ingression to IP68

Power

Input voltage	DC (9-30v)
Power Consumption	500mA max, plus very low current sleep mode (< 30mA)

Communication

Iridium Modem	9602 short burst transceiver
Iridium Antenna	Maxtena 1621 patch antenna

Product Options

GSM, serial communications, Bluetooth LE
9-30v power input, various mounting bracket options

Available From:

For more information, technical product details and PDF downloads please visit our website.