



# PRODUCT CATALOGUE

2021

GLOBAL TELESAT COMMUNICATIONS

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# ABOUT GLOBAL TELESAT COMMS



**VOICE**



**DATA**



**SOS**



**TRACKING**



**RADIO**



- Provider of Mobile Satellite Services and IoT Tracking Solutions via satellite with global presence and 20 years experience.
- Existing customer base of 50,000+ including blue-chips, governments, corporates, and individuals in 165+ countries.
- Specialists in global satellite tracking and emergency response with more than 35,000 satellite enabled messengers and emergency locator beacons supplied worldwide.
- Full suite of SATCOM, radio, and life-saving products including satellite internet, tracking and communications solutions.



# SATELLITE INTERNET - LAND



Our land satellite internet offering enables teams working remotely to stay connected with high speed internet, anywhere on the planet. Whether a fixed, portable or vehicular installation is required, we provide solutions from a range of partners to provide you with an efficient and cost-effective connection.

All of our satellite internet terminals require a pay monthly airtime subscription.



# SATELLITE INTERNET - LAND

## SATCUBE



Satcube Ku is an all-in-one portable Wi-Fi hotspot which connects to the fastest satellite networks available to offer speeds of up to 20 Mbps. Ideal for remote teams including, but not limited to, government, commercial, NGO and emergency response.

Thanks to its lightweight and compact design, the Satcube Ku is designed for outstanding portability. Weighing just 8 kilograms, it represents the ideal all-in-one carry-on satellite terminal solution no larger than a laptop to maintain fast and seamless connections all around the globe.

- Global Coverage
- Speeds up to 20 Mbps



[Click for more info](#)

## KYMETA

The Kymeta u8 is the world's only commercially available flat panel electronically steered antenna built specifically for mobility. It has been designed for the needs of both military and commercial customers enabling complete coverage of the Ku-band with highly reliable electronic beam steering and no moving parts.

Uplink and downlink speeds of 100 Mbps with on-board Wi-Fi connectivity via the Ku band.

Quick to install and set-up, the u8 is ideal for rapid deployment - un-box, add power, and go.

- Global Coverage
- Speeds up to 100 Mbps



[Click for more info](#)



# SATELLITE INTERNET - LAND

## iridium® CERTUS



Iridium Certus is the high speed voice and data service made possible by Iridium's \$3 billion second generation constellation, Iridium NEXT. Iridium Certus will be the only high speed data service, which is available anywhere on the planet.

The land based range of terminals are available in compact, portable devices or for fixed use.

Speeds of up to 700kbps are on offer which broadcast a Wi-Fi hotspot for up to 12 devices to connect to.

- Global Coverage
- Speeds up to 704 kbps



[Click for more info](#)

## inmarsat BGAN

The Inmarsat BGAN network is 'always-on' which means you can connect whenever or wherever you are thanks to an intricate link of satellites functioning on the L-band. It is used daily for important logistical, communication and tracking activities, with hundreds of businesses and world governments choosing to use this secure and reliable satellite service.

Not only is it well-connected, but it's fast too, achieving data speeds of around 432kbps, however for streaming that can increase to around 800kb-1Mb per second when using HDR which is ideal for video calling and watching videos online in real-time wherever in the world.

- Near Global Coverage
- Speeds up to 432 kbps



[Click for more info](#)



# SATELLITE INTERNET - LAND



## inmarsat HUGHES 9502

This product integrates the 9502 modem with a compact antenna to create a single-piece, integrated, rugged terminal to withstand the most extreme weather conditions. It includes backup and out-of-band management to primary site communications—ideal for SCADA and unattended sites.

- Near Global Coverage
- Ongoing subscription required

## inmarsat EXPLORER 540

The Cobham Explorer 540 is a rugged and C1D2 certified dual mode BGAN M2M terminal designed to provide reliable and secure IP data in even the harshest environments. The one-piece system with a combined transceiver and antenna is IP66 rated. Features automatic switching between BGAN and cellular networks.

- Near Global Coverage
- Ongoing subscription required



## inmarsat HUGHES 9450 C-11

The Hughes 9450-C11 is a budget-friendly and highly competitive mobile terminal which connects at IP broadband speeds of up to 464 kbps using the world's smallest C11 mobile BGAN terminal. Simple, quick, and flexible options are available for installation on any vehicle or building.

- Near Global Coverage
- Ongoing subscription required



# SATELLITE INTERNET - LAND



The SkyLink land range is designed for use as a standalone system or for integration with IoT systems and is powered by the world's leading L-band satellite network, Iridium Certus. From anywhere in the world, Skylink delivers cellular connectivity for voice, data, telemetry, and monitoring solutions to and from remote sites.

- Iridium Certus 100 Services
- Cellular LTE, 3G, 4G
- Least-cost Routing
- GNSS Positioning
- Wi-Fi and Bluetooth
- Local Dynamic Firewall
- Two (2) Iridium Voice Lines
- Internet Access

SkyLink works in combination with SkyRouter, where you can get real-time insight, instant communication with your fleet, and situational awareness—from anywhere in the world.



- iPhone & Android app availability
- Real-time tracking & mapping
- Innovative map overlays: weather; depth charts; and satellite AIS
- Customizable geofences
- Global two-way messaging
- Automatic report generation

  
[Click for more info](#)

# SATELLITE INTERNET - MARINE



The new generation of cost-effective satellite internet services keep your employees connected, no matter where their work takes them. We provide a range of solutions that will suit any vessel's needs including voice, email, weather or streaming services.

With our wide range of satellite network partners operating on the Ku, Ka, L, and C bands, we have various options available to suit all budgets and requirements.

All of our satellite internet terminals require a pay monthly airtime subscription.



# SATELLITE INTERNET - MARINE

## iridium® CERTUS



Iridium Certus is the high speed voice and data service made possible by Iridium's \$3 billion second generation constellation, Iridium NEXT. Iridium Certus will be the only high speed data service, which is available anywhere on the planet.

Iridium Certus can be used as a standalone communication system or ideal as a VSAT backup.

Iridium Certus terminals will offer GMDSS compatibility shortly following Iridium's approval to offer GMDSS services by the IMSO.

- Global Coverage
- Speeds up to 704 kbps



Click for more info

## KYMETA

The Kymeta u8 is the world's only commercially available flat panel electronically steered antenna built specifically for mobility. It has been designed for the needs of both military and commercial customers enabling complete coverage of the Ku-band with highly reliable electronic beam steering and no moving parts.

Uplink and downlink speeds of 100 Mbps with on-board Wi-Fi connectivity via the Ku band.

Quick to install and set-up, the u8 is ideal for rapid deployment - un-box, add power, and go.



- Global Coverage
- Speeds up to 100 Mbps



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# SATELLITE INTERNET - MARINE



Viasat delivers reliable satellite internet to commercial vessels of all sizes keeping customers and crew connected wherever you sail. Hardware is compatible with future upgrades to the high-capacity satellite network ensuring no extra costs are incurred to keep your system operating at its optimum performance.

Named Global Satellite Business of the Year in 2019, Viasat offers a groundbreaking service whether on land or at sea.

- Global Coverage
- Speeds up to 20Mbps



Click for more info

## inmarsat FLEETBROADBAND

Inmarsat has been pioneering global satellite connectivity for over 40 years and FleetBroadband enabled mariners to rely on reliable simultaneous access to voice and data for the first time.

10 years since its launch, it continues to deliver without fail - playing its part in connecting more than 45 thousand vessels across the globe every single day.

FleetBroadband can be used as a standalone network on smaller vessels or as a VSAT back-up service.

- Near Global Coverage
- Speeds up to 432 kbps



[Click for more info](#)



# SATELLITE INTERNET - MARINE



The SkyLink 6100 is designed for use on marine vessels and is powered by the world's leading L-band satellite network, Iridium Certus. From anywhere in the world, the 6100 delivers cellular connectivity for maritime voice, data, telemetry, and monitoring solutions to and from vessels and off-shore sites.

- Iridium Certus 100 Services
- Cellular LTE, 3G, 4G
- Least-cost Routing
- GNSS Positioning
- Wi-Fi and Bluetooth
- Local Dynamic Firewall
- Two (2) Iridium Voice Lines
- Internet Access

SkyLink works in combination with SkyRouter, where you can get real-time insight, instant communication with your fleet, and situational awareness—from anywhere in the world.



- iPhone & Android app availability
- Real-time tracking & mapping
- Innovative map overlays: weather; depth charts; and satellite AIS
- Customizable geofences
- Global two-way messaging
- Automatic report generation



[Click for more info](#)

# SATELLITE INTERNET - AVIATION



Our mobile broadband aviation solutions power two-way IP communications in light to large aircraft and helicopters, so commanders and leaders can stay productive while on the go. The next generation of satellite networks offer the speed to turn the aircraft into an office in the sky - transmit critical information from the air via streaming, email, chat and other internet related services.

All of our satellite internet terminals require a pay monthly airtime subscription.



# SATELLITE INTERNET - AVIATION



Viasat delivers reliable satellite internet to aircraft of all sizes keeping customers and crew connected wherever you fly.

Hardware is compatible with future upgrades to the high-capacity satellite network ensuring no extra costs are incurred to keep your system operating at its optimum performance.

Viasat's family of full-ITU Ka-band terminals enable broadband, in-flight connectivity services for airborne operations around the globe with antenna options for parabolic reflector, fuselage or tail mount suitable for fixed wing, UAS, and rotary wing aircraft.

- Global Coverage
- Speeds up to 20Mbps



Engineered and purpose-built to meet the unique needs of aviation, award-winning GX Aviation from Inmarsat provides reliable, seamless high-speed global coverage.

GX Aviation is currently used by passengers flying with several of the world's leading airlines, including Lufthansa, Qatar Airways, Singapore Airlines, Air New Zealand, Virgin Atlantic, AirAsia, and many others.

Over 11,000 aircraft currently flying across the globe that have one of Inmarsat's solutions installed allowing crew and passengers to stream, email, chat, and browse, as they need.

- Near Global Coverage
- Speeds up to 20 Mbps



# SOS BEACONS



GTC provides a variety of GPS enabled emergency locator beacons, including Personal Locator Beacons (PLBs) and Emergency Position Indicating Radio Beacons (EPIRBs), which are designed to pinpoint your exact location to Search and Rescue services during an emergency. These devices use the COSPAS SARSAT network of satellites to transmit alert information to the appropriate rescue coordination centre from anywhere in the world.

SOS Beacons do not require an ongoing subscription.



# PERSONAL LOCATOR BEACONS



## McMURDO RETURNLINK

FastFind ReturnLink from McMurdo is a new type of SOS beacon offering users peace of mind that their SOS call has been received by sending back a confirmation signal to the device. When ReturnLink's blue light flashes, it tells the user that their distress signal and location has been detected.

FastFind ReturnLink continues the success of the existing FastFind range by offering a rugged, handheld, and waterproof (non-buoyant) GPS & Galileo enabled rescue PLB which fits in the palm of your hand. PLBs have been proven, tried, and tested in some of the world's most remote locations and treacherous conditions.

- Global Coverage
- No ongoing subscription

  
[Click for more info](#)

## ACR RESQLINK VIEW

The ResQlink View PLB can easily be activated in an emergency as well as provide live beacon status and GPS coordinates throughout the rescue process on the integrated digital display.

The ACR ResQlink View PLB has three levels of signal transmission through GPS positioning, a powerful 406MHz signal, and 121.5MHz homing beacon capability.

The integrated display enables users to view live beacon status and GPS coordinates throughout the rescue process.

- Global Coverage
- No ongoing subscription

  
[Click for more info](#)



# PERSONAL LOCATOR BEACONS

## McMURDO FASTFIND 220



The McMurdo FastFind 220 PLB is a rugged, handheld, and waterproof (non-buoyant) GPS & Galileo -enabled rescue PLB, which is small enough to be easily carried in a back-pack or pocket. Upon initiation of a distress call, the McMurdo FastFind built-in GPS and Galileo receivers will fix your position to within a few meters and then utilizes a powerful 406 MHz signal to relay your distress call to orbiting satellites.

McMurdo FastFind 220 comes with a flotation case to allow the device to float in a marine environment.

- Global Coverage
- No ongoing subscription



[Click for more info](#)

## ocean SIGNAL RESCUEME PLB1

The Ocean Signal rescueME PLB1 provides peace of mind on land or at sea allowing you to alert global emergency services of your location at the push of a button.

Ocean Signal rescueME PLB1 comes with a flotation case to allow the device to float in a marine environment.

Weighing just 4 oz rescueME PLB1 easily fits on a lifejacket or a rucksack strap and the retractable antenna is easily stowed away by turning the dial at the top of the device.

- Global Coverage
- No ongoing subscription



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# EPIRBs



## ACR GLOBALFIX V4

The GlobalFIX V4 is a full-featured EPIRB loaded with high-efficiency electronics for performance you can count on. This EPIRB offers the very latest in marine electronic lifesaving technology, including an internal 66 channel GPS for faster acquisition from a cold start. Performing a full functional self-test of the EPIRB's internal circuitry, battery voltage & power, and 406 MHz transmission gives you the peace of mind knowing your EPIRB will work the moment you need it the most.

Available as a Cat 1 or Cat 2 EPIRB for Automatic or manual functionality.

- Global Coverage
- No ongoing subscription



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## RESCUEME EPIRB1

Ocean Signal EPIRB1 rescueME automatically activates when immersed in water sending your GPS location to emergency services wherever you are in the world.

Providing peace of mind for those at sea the rescueME EPIRB1 has an excellent 10 year battery life and transmits location for up to 48 hours once activated.

Cat 2 EPIRBs require manual deployment to be activated in the event of a vessel sinking.

- Global Coverage
- No ongoing subscription



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# SATELLITE TRACKERS



We offer a variety of GPS satellite trackers which can transmit data anywhere in the world using our GTCTrack service, which can be accessed from any internet enabled device. Our tracking devices offer remote location monitoring for valuable assets or connecting colleagues with precise location information.

We stock Iridium, Inmarsat, and Globalstar trackers with access to their networks, ensuring global coverage at all times.

All of our satellite trackers require a pay monthly airtime subscription.



# PERSONAL TRACKERS

## SPOT™ GEN4



SPOT Gen4 is the latest in the line of reliable and trusted SPOT satellite trackers. This tracker enables remote teams to keep in touch and call for help nearly anywhere in the world.

SPOT Gen4 lets users check in with managers and colleagues by sending pre-programmed text messages or emails with their GPS coordinates. Users also have a life-saving line of communication if the unexpected should happen; Gen4 sends your GPS location to emergency contacts with the push of a button.

- Near Global Coverage
- Ongoing subscription required



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## INREACH

inReach are truly global satellite trackers and navigational devices. Allowing real time tracking, two way messaging, SOS, customized messages, you can keep in contact anywhere in the world using the Iridium satellite network.

inReach Explorer+ is a standalone device offering all of the above features plus pre-loaded maps with onscreen GPS routing and built-in digital compass, barometric altimeter, and accelerometer.

Weighing only 3.5 oz, inReach Mini is a compact and discreet device which can be paired with a smartphone or tablet to access advanced features.

- Global Coverage
- Ongoing subscription required



[Click for more info](#)



# ASSET TRACKERS



SolarTrack is a compact, lightweight, IoT tracking device powered by the sun and operating on one of the most modern satellite networks in the world. It is designed for tracking and monitoring anything that moves, or any remote asset used outdoors, almost anywhere in the world.

- Affordable - Satellite tracking can be prohibitively expensive, but SolarTrack makes it affordable through competitively priced hardware and messaging plans.
- Maintenance Free - Solar power means no replacement batteries or external power lines required.
- Easy Installation - No need for external antennas or power, simply configure via Bluetooth and place on the asset with a clear line of sight to the sky.
- Easy to use - Activate, mount and track
- Rugged & Lightweight Design - Built to last and weighing just 30 grams, it is light and small enough to go unnoticed, wherever, or however, you mount it.



SolarTrack is compatible with our GTCTrack Mapping Portal - a cloudbased system to view your assets in real-time with a variety of alerts, reports and map views incorporated. Android and iOS apps are also available.



[Click for more info](#)

# ASSET TRACKERS



## iridium® EDGE SOLAR

This smart, solar-powered satellite asset tracker harvests the sun's energy to give it a deployable lifespan of 10 years. It can be used anywhere on earth, and, through Iridium's Short Burst Data service, the Edge Solar allows for global two-way satellite tracking.

### **Solar Powered**

Designed for up to 10 years in the field with a fully solar-powered battery and no external power source required

### **Two-Way Over-the-Air Configuration**

Receive data and easily make over-the-air modifications in real-time from anywhere in the world

### **Wireless Integration**

Bluetooth (BLE) capability for wireless smart sensor integration and local device connectivity, no external connectors

### **Telematics and Motion Reporting**

Interval and scheduled reporting modes, start/stop and in motion reporting

### **Easily Integrates into Your Back-Office**

Demo mapping application featuring tracking and position visualization iOS app for configuration and deployment

### **Development Resources**

Demo Kit and Online Demo Platform available to expedite time to market



[Click for  
more info](#)

# ASSET TRACKERS

## SPOT™ TRACE



The SPOT Trace is a compact satellite tracker which can be used in two ways - firstly to track authorised asset movement and secondly to detect unauthorised movement and alert you accordingly.

As SPOT Trace works via satellite, no outages in mobile phone reception will stop you tracking and monitoring the movements of your asset. This Asset Tracker is ideal for monitoring valuable assets such as cars, boats, and jet skis.

Dock Mode can be activated to adjust alerts to allow for the constant movement of a vessel on the water.

- Near Global Coverage
- Ongoing subscription required
- Price: \$99



[Click for more info](#)

## SMARTONE

The SmartOne range includes the SmartOne Solar and SmartOne C - a compact and discreet asset tracker.

Globalstar SmartOne Solar is quickly and easily installed making it a convenient option for the tracking of valuable assets and can easily be moved between assets as the need arises. The solar batteries can deliver over eight years of life and lack of sunlight is not a problem as reports can be sent twice a day for several months even in dark conditions.

SmartOne C offers 12 different reporting times, interval or 24hr operation, geofencing, and measures just 2.7 x 3.3 x 1 inches.

- Near Global Coverage
- Ongoing subscription required
- Price: From \$110



[Click for more info](#)



# SATELLITE MODEMS



For developers wanting a satellite modem to integrate into their own application GTC offers satellite modems from Globalstar, Iridium and Thuraya.

These modems use satellite technology to allow your application to work anywhere in the world, perfect for tracking and monitoring remote assets or for SCADA systems.

Competitive monthly airtime subscriptions are available and all modems are compatible with our GTCTrack mapping portal for viewing positions and data.



# IRIDIUM SHORT BURST DATA

## iridium® 9603



The Iridium 9603 is a revolution in scale, the compact transceiver is the worlds smallest commercially available two-way satellite data modem. It is designed especially for those who need to create smaller devices but still want to take advantage of having global coverage.

- Global Coverage
- Ongoing subscription required



[Click for more info](#)

## iridium® 9602

The Iridium 9602 Short Burst Data (SBD) Transceiver is designed to be integrated into wireless data applications with other host systems hardware and software. A single-board transceiver provided as a "black box" and all device interfaces are provided by a single multi-pin interface connector in addition to the antenna connector.



- Global Coverage
- Ongoing subscription required



[Click for more info](#)

## iridium® 9523



Small but powerful, the Iridium Core 9523 modules supports all Iridium narrowband voice and data services to enable endless global connectivity possibilities. This single board module has the capacity for embedded applications such as GPS, location-based services (LBS), Wi-Fi, and Bluetooth

- Global Coverage
- Ongoing subscription required

# GLOBALSTAR

## Globalstar STINGR



The STINGR is a low cost, OEM simplex module which sends one-way data messages via the Globalstar Simplex Network. The module includes a high-performance GPS receiver as well as an on-board dual band antenna which greatly simplifies the effort of integrating satellite communications into a tracking or monitoring device. The STINGR is ideal for delivering remote sensing, tracking, and monitoring applications.

- Near Global Coverage
- Ongoing subscription required



[Click for more info](#)

## Globalstar STX-3

The STX 3 is a simplex satellite transmitter designed to send small packets of user defined data to a network of low earth orbiting (LEO) satellites using the Globalstar simplex satellite network. Data can be sent automatically, on a time or event driven basis. The received data is then forwarded to a user defined network interface that may be in the form of an FTP host, email account, or HTTP host where the user will interpret the data for further processing.



- Near Global Coverage
- Ongoing subscription required



[Click for more info](#)

# SATELLITE PHONES



We offer a wide range of satellite phones suited for individual requirements. We offer Inmarsat, Iridium and Thuraya satellite phones allowing you to keep connected by voice and SMS, including mobile and fixed satellite phones.

Most satellite phones come with GPS capabilities meaning friends, family, or colleagues back home can view your position in real time.

All of our satellite phones require a prepaid or pay monthly airtime subscription.



# SATELLITE PHONES



Iridium satellite phones offer voice, data and SMS services anywhere in the world.

In addition the Iridium 9575 Extreme offers GPS tracking capabilities, online tracking and emergency SOS with notification services.

- Global Coverage
- Ongoing subscription required



[Click for more info](#)



The IsatPhone 2 is a ready, reliable and robust satellite phone that offers voice, data, SMS, GPS tracking, and SOS services globally excluding the poles.

The IsatPhone 2 is extremely user friendly; with focus on easy connectivity and fast registration you will be ready to make a call in less than 45 seconds.

- Near Global Coverage
- Ongoing subscription required



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The Thuraya network offers coverage over Asia, Africa, Australia, the Middle East and Europe including 140 countries in these areas. With a range of small, stylish and easy to use handsets, including the world's first touchscreen sat phone, there is an option to suit all requirements.

- Regional Coverage
- Ongoing subscription required



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# RADIOS



2 Way Radios offer instant communication on a one-to-one or one-to-many basis. Not only can they be used for every day communication but their easily accessed SOS functions makes them essential for emergency situations on land or at sea.

A wide range of products are available including unlicensed and licensed models, UHF, VHF, and satellite PTT radios.



# RADIOS



## ICOM IC-SAT100 PTT

ICOM IC-SAT100 Push-To-Talk (PTT) uses the Iridium network to provide users with instant communications anywhere in the world. This two-way radio system can be used as a communication tool in remote, isolated areas without mobile phone or landline network infrastructure.

Fixed and handheld versions of the IC-SAT100 are available.

An Iridium airtime subscription is required to use the Iridium PTT service.

- Global Coverage
- Ongoing subscription required



[Click for more info](#)

## iridium 9575 EXTREME PTT

Iridium 9575 Extreme PTT offers the same instant PTT communications as the ICOM device, but with the added functionality of satellite voice and data calls.

Iridium 9575 Extreme PTT also offers GPS tracking capabilities, online tracking, and emergency SOS with notification services.

Separate voice and PTT airtime subscriptions are required to make use of the full functionality of this handset.



- Global Coverage
- Ongoing subscription required



[Click for more info](#)

# RADIOS



## ICOM IC-M73 VHF RADIO

The IC-M73 is a powerful handheld marine VHF radio that features IPX8 submersion rating, 6 watts high output, long battery life, and a compact ergonomic body amongst many other features.

- 700mW Loud Audio
- 6W RF Output Power
- IPX8 Advanced Waterproofing
- Slim, Hourglass Body, Wide Viewing Angle LCD
- VOX Function for Hands Free Operation

## ICOM IC-M25 VHF RADIO

Icom's iC-M25 buoyant marine VHF radio floats and flashes when dropped into the water. Sporting an elegant slim design, this new model has the lightest body in the market for a floating VHF radio...just under 8oz.

New for Icom, this radio has a tidy USB connector for convenient charging from a variety of electronic devices.

- Slim, Lightweight, Easy to Use
- Buoyant with flashing red LED
- 11 Hours Long Battery Life
- USB Charging





## GET IN TOUCH



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