cygnus

Product
Catalogue

About us

Our mission is to help provide connectivity in the most remote corners of the world, and in the toughest of situations. No matter where you are, we've got you covered. We are transforming the way people and organizations communicate, allowing responsible mobile working and exploration everywhere, at all times.

As a Top Tier partner to Thuraya Telecommunications Company and the Global Master Distributor for its Land Voice solutions, we ensure that all customers and partners receive an outstanding service. What makes us an ideal partner of choice for your communications needs is our unmatched 24x7 customer care and commercial flexibility, which are second to none in the industry. We are committed to offering tailored connectivity solutions and flexible service delivery to overcome your locational challenges, to meet your unique industry needs, and achieve your specific business goals. Our strong global network allows us to be highly dependable and quick in delivering excellence.

At Cygnus, we pride ourselves in serving the most essential sectors of our communities including Maritime, Oil and Gas, Mining, Government, Media, Humanitarian, and Enterprises that are on a mission to help improve lives and the world around them.

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Dual Mode

Dual SIM

Thuraya XT-PRO DUAL

The World's First Dual-Mode, Dual-SIM Phone

The Thuraya XT-PRO DUAL is the world's first dual-mode, dual-SIM phone, bridging the gap between satellite and terrestrial communications. By using both a satellite SIM card and a LTE SIM card, you can now move in and out of terrestrial coverage with ease, enjoying connectivity no matter where you are.

Highly ruggedized with a shockproof, water and dust resistant body, the XT-PRO DUAL also comes with advanced navigation capabilities through. GPS, BeiDou, Glonass and Galileo for the highest flexibility in all regions.

No matter where you are or how remote your location, we keep you connected. Thuraya's comprehensive satellite network provides reliable, clear and uninterrupted communications in more than 150 countries across Europe, Africa, Asia and Australia; and in GSM-mode the phone supports most 4G/3G/2G frequencies across the world.

Product Features

Dual Mode. Dual Sim
Communicate seamlessly in satellite and cellular mode: the world's first phone to combine dual-mode and dual-SIM, the Thuraya XT-PRO DUAL has two SIM card slots for complete flexibility and choice.

SAT and LTE "Always On"
Make and receive calls simultaneously on both networks with the XT-PRO DUAL's unique SAT and LTE "Always On" function.

Advanced Navigation Capabilities
Select your preferred navigation system and choose between GPS, BeiDou, Glonass and Galileo for the highest flexibility in all regions. Your XT-PRO DUAL can then be used to send your coordinates to pre-defined numbers via SMS, or email.

Glare Resistant Gorilla® Glass Display
Toughened glass for harsh conditions and a customized outdoor display delivers easy readability in direct sunlight, no matter how bright the conditions are.

Rugged Design
The XT-PRO DUAL is water and dust resistant as well as shockproof to withstand harsh environments.

Convergence You Can Customize

Most Powerful Battery

Equipped with a long-lasting battery, the XT-PRO DUAL has a talk-time of up to 11 hours and a standby time of up to 100 hours, enabling reliable communications whenever you need them across an extended period. The status indicator gives you accurate readings with the remaining battery percentage indicated in 1% intervals.

Dedicated SOS Button

The XT-PRO DUAL has a dedicated SOS button, which is easy to use in times of distress. Even when the phone is switched off, simply press and hold the SOS button for three seconds. This starts the handset and triggers the emergency service call (and/or SMS) to any pre-programmed number.

Incoming Call Notifications in Satellite Mode

The call notification function operates in satellite mode even if your satellite signal is too weak to receive the call itself. This is particularly useful when your phone is in your pocket with the antenna stowed, keeping you connected at all times.

Convenient Tracking Features for Your Safety

The XT-PRO DUAL is equipped with advanced tracking capabilities, offering three different options based on preset time intervals, distance traveled, and detection of movement outside a preset geofence of your choice.

Product Specifications

System/Frequencies	Thuraya L-Band Satellite	4G: B1, B3, B7, B8, B20, B28A 3G: B1, B3, B8 2G: B3, B8
SIM Cards	Satellite 1 SAT SIM Slot (Mini-SIM)	Cellular 1 SIM Slot (Micro-SIM)
Data Services	Satellite GmPRS up to 60/15 Kbps (down/up) Circuit switched 9.6 Kbps	LTE/4G Up to 30 Mbps down Up tp 9 Mbps up
Size (Phone Body)	138x57x27mm	
Weight	232g	
Satellite Services	Calls, SMS, SMS to Email	
Global Navigation Satellite System (GNSS)	GPS, BeiDou, Glonass, Galileo	
Battery	3400 mAh battery: • Up to 11 hours talk time • Up to 100 hours standby time	

Display	2.4" toughened Gorilla® glass outdoor display
Ingress Protection	Water resistant, dust resistant, shock proof (IP65/ IK05)
External Interfaces	USB-C connector, Earphone connector (3.5mm), Antenna connector for docking units
PC Compatibility	Win 11/10/8/8.1
Languages	Multi-language Firmware: English, Arabic, Bahasa Indonesia, Farsi, French, German, Hindi, Italian, Russian, Spanish, Turkish, Portuguese, Urdu. Chinese Firmware: Simplified Chinese, English
Environmental Specifications	Operating temperature: - 10° C to + 55° C

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Thuraya XT- PRO

The world's most advanced satellite phone.

This is Thuraya XT-PRO

The world's first and most advanced satellite phone with built-in GPS, for real flexibility whilst conducting your business operations. The XT-PRO has a 5.2" glare-resistant, Gorilla® glass screen-display, with a built-in brightness sensor to auto adjust the display backlight. So, no matter where your rural and remote business operations take you, you'll have optimum flexibility and visibility.

The Thuraya XT-PRO has one of the longest talk times on any satellite phone, along with the capability to send messages, which means you can rely on uninterrupted connectivity and constant access to your corporate network. You'll have access to data connection for emails and web-browsing, so you can ensure your business operations are running at peak performance, no matter how remote the location. The XT-PRO prioritizes your safety, with Thuraya's comprehensive satellite network and a dedicated SOS button keeping your phone tracked at all times, so you can focus on your business operations safely and securely.

Product Features

Selectable Navigation Systems

With XT-PRO, you can choose your preferred navigation system and select between GPS, BeiDou, and Glonass for the highest accuracy and added security in every region.

Longest talk-time on any satellite phone

Thuraya's XT-PRO offers a talk-time of up to 9 hours and has a standby time of up to 100 hours providing you with reliable and robust communications wherever you need it.

Glare resistant Gorilla® glass display

The XT-PRO satellite phone is designed for the harshest of environments. It is built with toughened glass and with a customized outdoor display for easy visibility even in direct sunlight.

Easy to use, Dedicated SOS button

The SOS button can be used even when the satellite phone is switched off. Press and hold the SOS button for 3 seconds to start the phone and send an alert (a call and/or SMS) to any pre-programmed number.

Compact and rugged design

Small enough to fit in your pocket, the Thuraya XT-PRO is jet water and dust resistant as well as shockproof.

Calls, SMS, fax, and internet connectivity

Make calls, send SMS and fax messages. You can also connect your laptop or PC to access the internet in satellite mode whenever terrestrial networks are unavailable.

Ruggedized and compatible
with several accessories.

Supported by the most robust and powerful satellite network

The advanced omnidirectional antenna of the XT-PRO ensures an uninterrupted signal when on-the-move. Receive call notifications even if your satellite signal is too weak to receive the call itself. This is very useful when the phone is in your pocket with the antenna stowed.
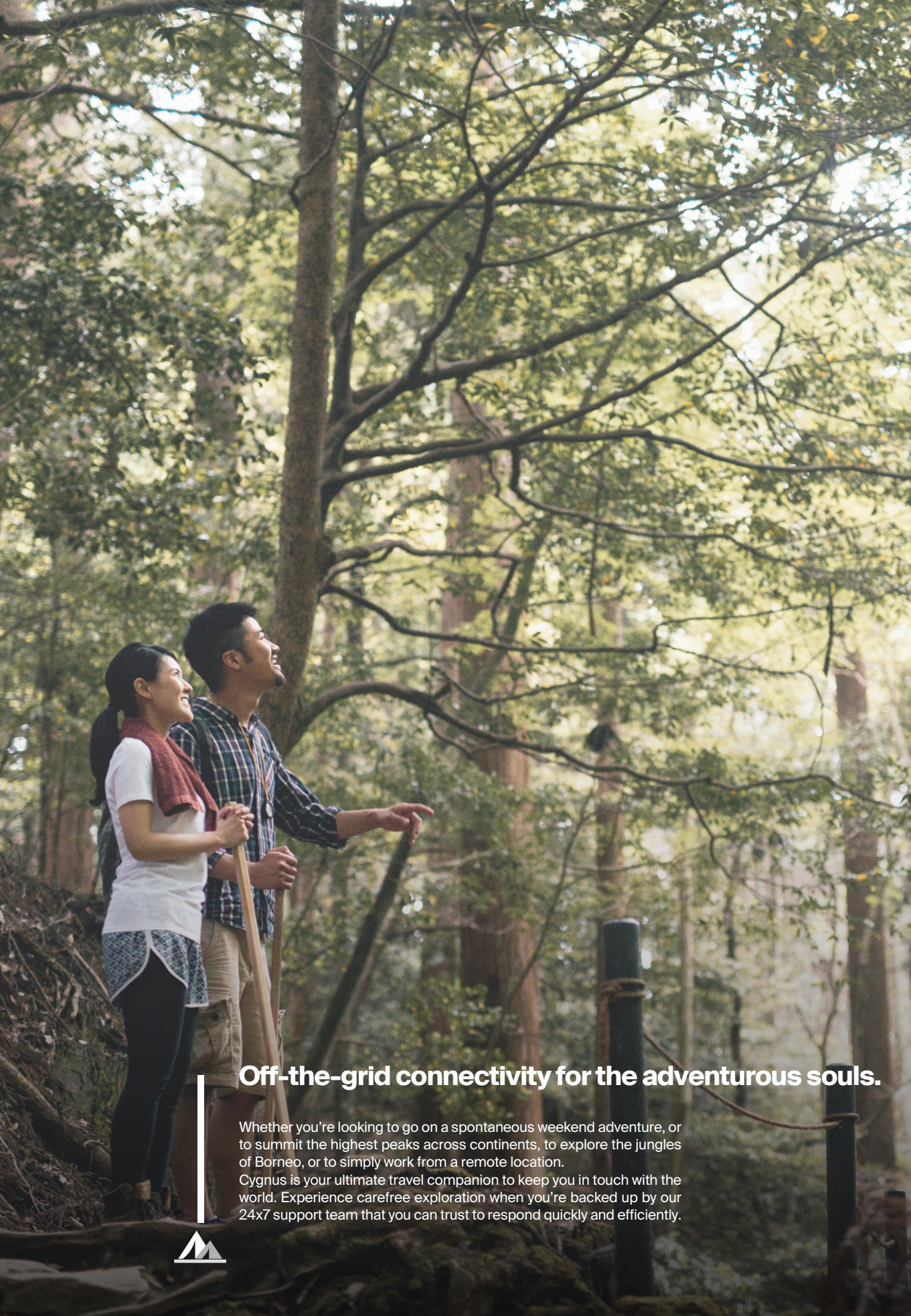
Additional features

For convenience, we've added a speakerphone, an address book, alarms, a calculator, a calendar, call logs, conference calls, contact groups, speed dialing, a stopwatch, world times, and much more.

Product Specifications

Size (phone body)	128 x 53 x 27 mm
Weight	212g
Call and messaging services	Calls, SMS, SMS to email, fax
Data services	GmPRS up to 60/15 kbps (down/up) Circuit switched 9.6 kbps
Global Navigation	GPS, BeiDou, Glonass
Satellite System (GNSS)	2.4" toughened Gorilla® glass outdoor display
Display	Jet water resistant, dust resistant, shock proof (IP55/IK05)
Ingress protection	up to 9 hours*
Battery life - talk-time	up to 100 hours*

Battery life - standby time	Micro USB charger, UDC jack for data transmission, Earphone connector (3.5mm), Antenna connector for docking units
External interfaces	Windows 8/8.1, 7, Vista
PC compatibility	Multi-language firmware: English, Arabic, Bahasa Indonesia, Farsi, French, German, Hindi, Italian, Russian, Spanish, Turkish, Portuguese, Urdu.
Languages	Chinese firmware: Simplified Chinese, English
Environmental specifications	Operating temperature: -10° C to + 55° C Storage temperature: -20° C to +70° C Humidity: 5 to 95% RH (at 40° C)

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Off-the-grid connectivity for the adventurous souls.

Whether you're looking to go on a spontaneous weekend adventure, or to summit the highest peaks across continents, to explore the jungles of Borneo, or to simply work from a remote location.
Cygnus is your ultimate travel companion to keep you in touch with the world. Experience carefree exploration when you're backed up by our 24x7 support team that you can trust to respond quickly and efficiently.

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Thuraya XT-LITE

Simple. Reliable. Affordable.

This is Thuraya XT-LITE

When it comes to weekend adventuring and casual trips across the globe outside of terrestrial coverage, the Thuraya XT-LITE is your budget-friendly satellite phone offering no compromise on connectivity. This best value-for-money satellite phone is built with an advanced omnidirectional antenna, offering a true walk-and-talk experience with the ability to make calls and send messages in satellite mode. Even with the antenna stowed, you will be able to receive call notifications, ensuring you stay connected whilst you're on the move.

Ideal for staying in contact with those back home, the Thuraya XT-LITE offers a long-lasting battery life with 6 hours of talk-time and up to 80 hours on standby. Additionally, this affordable satellite phone can be programmed to function in any of the twelve languages available on the device. Its durable and easy-to-use design makes the XT-LITE the perfect addition to your kit during weekend vacations, cross-country travels, and remote adventures.

Product Features

Calls and Text Messages in Satellite Mode

The Thuraya XT-LITE lets you make calls and send SMS messages in satellite mode when terrestrial networks are unavailable. For uninterrupted communication, our advanced omnidirectional antenna ensures seamless walk-and-talk functionality for calls on-the-go.

Long-lasting battery life

Thuraya's XT-LITE enables reliable communications with a long-lasting battery which provides users with up to six hours of talk time and up to 80 hours of standby time.

Easy to use

The XT-LITE satellite handset is designed for ease of use. Simply charge your phone and make sure your SIM card is working... and you're ready to go. What's more, users can program the Thuraya XT-LITE to one of the 12 languages available.

Supported by the most robust and powerful satellite network

Thuraya's satellite network is renowned for having reliable satellite coverage that includes two-thirds of the globe. The Thuraya XT-LITE also lets you receive a call notification even when the satellite antenna is stowed, keeping you connected at all times.

Budget-friendly satellite connectivity.

Product Specifications

Size (phone body)	128 x 53 x 27 mm
Weight	186g
Services	Satellite calls and satellite SMS
Network frequency	L-Band
Satellite antenna	Omni directional (walk-and-talk functionality)
Battery life - talk time	Up to 6 hours
Battery life – standby time	Up to 80 hours
Network features	Call barring, Call diverting, Conference calls, Call waiting, Closed User Group, Voice mail
Organizer	Alarms, Calendar, Calculator, Stopwatch, World time
External interfaces	UDC data cable with USB connector, earphone jack (2.5 mm), DC power
Firmware versions	**Multi-language firmware:** Arabic, English, Farsi, French, German, Hindi, Italian, Portuguese, Russian, Spanish, Turkish, Urdu **Chinese firmware:** Simplified Chinese, English
PC compatibility (for firmware upgrades)	Windows 8/8.1, 7, Vista

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Thuraya SatSleeve

It's your world. Your phone. Your call.

This is Thuraya SatSleeve

The perfect blend of mobility and simplicity, the Thuraya SatSleeve is the quickest and easiest way to turn your current phone into a satellite smartphone. Cygnus understands that business operations often extend beyond the reach of terrestrial communications, which is why we recommend the SatSleeve for business individuals exploring remote locations. The Thuraya Satsleeve which comes in two variants, the SatSleeve+ and the Satsleeve Hotspot, gives you access to calls, emails, instant messages, and even social media on the move.

SatSleeve+ comes with an adapter and can be used while it is still docked to the smartphone. Whereas, if you want to keep your smartphone and your satellite unit separate, then the Satsleeve Hotspot is the one for you. The Thuraya SatSleeves can also be used with three different access points (high compressions, low compression, and zero compression) so that you can easily increase the speed when loading websites, depending on your business requirements. With an increase in sound quality during calls and a dedicated SOS button to track your phone, you can ensure nothing will come between you and your business operations.

Product Features

Calls and Text Messages in Satellite Mode
Use your smartphone in satellite mode when there is no terrestrial network available to call and send text messages to your existing list of contacts.

Email On-the-Go
Send and receive emails from wherever you are.

Apps
Access your apps while you're on the move – Social media, instant messaging, information apps, and many more.

Easy-to-Use
Simply connect your smartphone via Wi-Fi to the satellite unit. The sound is routed through the smartphone, resulting in even better sound quality.

Compatibility
The SatSleeve+ / Hotspot App is available as a free download from the App Store or from Google Play. The app is available in 12 languages.

Enhanced Safety Features
Equipped with an SOS call button that works even if the smartphone isn't connected. The SOS button will make an outgoing call to a predefined number set by the user or receive an incoming call.

A World of Choices
Stay connected via satellite mode anywhere under Thuraya's global coverage. The SatSleeve works either with a Thuraya SIM card or with a GSM SIM card from any of its 360+ roaming partners worldwide.

Offering the perfect blend of **mobility and simplicity.**

Universal Adaptor with SatSleeve+
SatSleeve+ comes with a universal adaptor in the package that allows you to switch between various Android and iPhone phone models between 58 and 85mm in width.

Stand with SatSleeve Hotspot
SatSleeve Hotspot comes with a stand in the package, making your life even more convenient while you're on-the-move.

Built-in compression
To increase the speed when loading websites, the SatSleeve+ can be used with 3 different access points (APNs). Select either high compression, low compression (images will be compressed), or no compression (full website content will be loaded). Depending on your requirements, select the most suitable APN in the GmPRS settings on your Thuraya SatSleeve.

Product Specifications

	Thuraya SatSleeve +	Thuraya SatSleeve Hotspot
Dimensions	Main unit including universal smartphone adaptor: 138 x 69 x 42	Main unit including hotspot stand: 142 x 69 x 38
Weight	256g	290g
Connectivity	3.5 mm jack for headset	
	Micro USB for charging and upgrade	
	DC charging jack	
Battery	3.7V Li-ion, 2440 mAh	
Talk time	up to 3 hours	
Standby time	• Wi-Fi continuously on: up to 9 hours • Wi-Fi off: up to 70 hours* (* incoming calls and SOS function still available on main unit)	
Satellite Data speed	Download up to 60 kbps, Upload up to 15 kbps (GmPRS)	
Power supply	Output DC 5V / 2.0A (with EU/UK/CN/AUS adaptors)	
Operating temperature	-10 °C to +55 °C	
Storage temperature	-20 °C to +70 °C	
App languages	English, Arabic, Bahasa Indonesia, Chinese (simplified), French, German, Italian, Japanese, Korean, Portuguese, Russian, Spanish	

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Powering your remote broadcasting operations.

With the 24-hour news cycle shrinking and the growing demand to break news just in time, on-the-move communications and rapid response accessibility are of utmost importance to correspondents on the ground. We understand how important it is for your broadcasting and media operations to stay up-to-speed with the high demand for cloud-based content delivery and on-demand videos. Our extensive range of satellite phones, easy-to-deploy broadband terminals, and antennas give you high mobility to film and report quality, live breaking news via voice or video broadcasting, no matter where you are.

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Thuraya WE

Your remote WiFi hotspot.

This is Thuraya WE

Empowering you to get out of your comfort zone, with the comfort of knowing that you can stay connected. Designed with your business and personal endeavors in mind, the Thuraya WE is the world's first dual-mode hotspot, allowing you to switch modes between Satellite & LTE with just the click of a button. Even more, the Thuraya WE can transform any area into a WiFi hotspot, allowing you to connect 10 smart devices within a 30m radius – ideal for when you're setting up camp or conducting business abroad.

With business operations frequently going beyond the reach of terrestrial communications, the Thuraya WE help to extend your data coverage by allowing you to move in and out of terrestrial coverage areas with ease. The Thuraya WE app also allows you to transform your smart device into a satellite phone and access your contacts, so you can easily make business calls and send messages. Weighing just 1kg and providing protection from dust and water spray, the Thuraya WE are the ideal companion for your rural and remote business ventures.

Product Features

Single SIM, dual mode hotspot
The only hotspot in the market offering dual-mode capability. It extends data coverage by offering Satellite & LTE broadband data services allowing you to move in and out of terrestrial coverage areas with ease.

Manual or auto-network selection
Flexibly switch between networks by setting up the auto-network switching function on the web interface or smartphone app. The hotspot will automatically switch from your default network to the other network once you're out of coverage.

Calls and text messages in Satellite Mode
The Thuraya WE app transforms your smart device into a satellite phone, it enables you to access your existing phone's contact list to make satellite calls and SMS's when satellite mode is selected.

Easy to use interface
To fully control the hotspot, Thuraya has developed a user-friendly interface that can be accessed either through the web or through a mobile app compatible with iOS and Android systems.

Unified communications
Transform any area into a Wi-Fi hotspot, connect all your devices and applications, and enjoy the internet by connecting up to 10 smart devices to the Thuraya WE Wi-Fi hotspot, within a radius of 30 meters or more.

Lightweight and durable
Weighing 1 kg only, Thuraya WE is compact light, and portable. It holds the globally recognized Ingress Protection Rating IP54 which provides protection from dust & water spray to withstand harsh environments.

Transform any area into a
WiFi hotspot.

Product Specifications

POWER SPECIFICATIONS	
Rated Input	12V DC, 3A max, 12V ±0.6V
Battery Type	Lithium Ion, rechargeable
Battery Capacity	7.4V, 6Ah, (2S2P)
Min Charge cycles	300, At 75% Depth of Discharge (DoD)
RUN TIMES (BATTERY)	
GSM – standby	20hrs
GSM – Data	9hrs
Sat – standby	6hrs
Sat – voice	5hrs
Sat – Data	3 hrs
PHYSICAL	
Weight	1.00Kg
Size	230mm x 197mm x 24mm
DC input Connector	2.5mm ID / 5.5 OD Jack, Centre Positive.
SIM Port	Mini
ENVIRONMENTAL	
Operating Temperature	-20°C to +55°C, Device ambient Temp.
Transport Temperature	-20°C to +60°C, With Battery
Storage Temperature	-20°C to +60°C, With Battery
Battery Charging Temperature	0°C to +45°C, Battery Cell Temp.
Humidity	5% to 95% RH, At a temperature of 40°C
Ingress protection	IP54 compliant
SATELLITE SERVICES	
Voice calls	Circuit Switch
Data	Up to 384Kbps on standard mode
SMS	Voice mode only

CELLULAR SERVICES	
Data	3G / LTE
SMS	3G / LTE
Wi-Fi	
Range	30+ meters Clear line of sight
Number of clients	Up to 10 users
Security	WPA2 Personal Authentication
GNSS SUPPORTED SYSTEMS	
GPS, Glonass, Beidou	
ROUTER FEATURES	
Firewall, Mac Filtering, DMZ, NAT, Port Forwarding	
NATIVE CLIENT APPLICATIONS	
Android	Minimum version 4.2 (API17), Integrated Phonebook
iOS	Minimum version iOS9, Integrated Phonebook
Published API	For 3rd Party client application development
AC CHARGER	
Output	12.0V +5% 36W
Operating Temperature	0°C to 40°C
Efficiency Level	VI
TRANSMISSION FREQUENCIES	
Satellite	Tx 1626.5-1660.5 Mhz, (earth to space) Rx 1525-1559 Mhz, (space to earth)
4G LTE	Band 20 (800 MHz), Band 5 (850 MHz), Band 8 (900 MHz), Band 3 (1800 MHz), Band 1 (2100 MHz), Band 7 (2600 MHz)
3G	Band 5 (850 MHz), Band 2 (1900MHz)
Wi-Fi	Type G, 2.4GHz band IEEE 802.11 b/g/n module
REGULATORY & APPROVALS	
FCC, CE, Safety IEC 60950 & CB certificate, ITU, RCM, REACH, RoHS, IP54	

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Thuraya IP+

Light, Speed. Everywhere.

This is Thuraya IP+

If your business or organization is looking for a satellite internet solution with zero compromises on connectivity, Thuraya IP+ is the ideal choice. Give your business the boost it needs, with the lightest, fastest, and most compact broadband terminal in its class, offering speeds up to 444kpbs. Send emails, hold video conferences or chat over satellite VoIP with our attractive on-demand airtime broadband plans, connecting you to your corporate networks and optimizing your business operations.

With extensive coverage across multiple locations, the Thuraya IP+ provides business operations with flexible and reliable connectivity from absolutely anywhere. This is ideal if you're looking to set up a field office quickly, connecting both remote professionals and large-scale projects and organizations. Complete with a sleek, compact, and innovative design, the IP+ is simple to install and maintain, making it a highly flexible and business-forward piece of kit.

Product Features

Compact and lightweight
Weighing only 1.4kg and smaller than the size of a regular laptop, Thuraya IP+ is one of the most compact and portable satellite broadband terminals available in the market.

High-speed streaming capabilities
With speeds of up to 444kbps on standard IP and 384kbps on streaming IP with an integrated antenna, Thuraya IP+ provides the fastest IP speeds for a satellite broadband terminal of its size — ready for connection in any location covered under Thuraya's reliable satellite network.

Optimized bandwidth usage
Thuraya IP+ can be configured with asymmetric streaming to allow users to set upload and download speeds based on usage requirements, helping to significantly reduce bandwidth costs.

Durable and dependable
Thuraya IP+ holds an IP55 Ingress Protection Rating and is built to provide protection from dirt, dust, water, oil, and other non-corrosive materials to withstand the harshest of environments.

High-speed, secure, and reliable broadband connection, deployed in seconds.

Product Specifications

Physical Characteristics	
Weight	1.4 kg (terminal and battery)
Size	216mm x 216mm x 45mm
Packet Data Services	
Streaming IP	384 kbps
Standard IP	444 kbps
Tolerances	
Operating Temperature	Running from external supply: -25°C to +55°C
	Running from battery: 0°C to +50°C
Storage Temperature	Including battery: -20°C to +60°C
	Excluding battery: -25°C to +80°C
Operating Humidity	95% RH at 40°C
Mechanical Vibration	200-2000 Hz, 0.3 m/s MIL-Spec 810B
Unpacked Drop	0.5 m on concrete surface
Ingress Protection	IP55 Standard
Compliances and Certifications	
	CE, EMC 301 444, 301 489, IEC 60950

Power	
External Power	Main power supply adapter, 100-240 V AC at 50-60 Hz
Output Voltage	19 volt DC, 3.4 amps
Battery	
Battery Life	Up to 36 hours stand by time
	1 hour of continuous transmission at the highest rate
Battery Type	Lithium-Ion
Interfaces	
Connectors	Ethernet (RJ-45)
User Interface	Web-based graphical user interface accessible via standard web browser.
External Antenna Connector	GPS and only one antenna connector
WLAN Connectivity	IEEE 802.11 b/g/n standard with:
	- WEP, WPA and WPA2 encryption
	- SSID broadcasting control
	- MAC address filtering
	- DHCP

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Exchanging real-time updates with HQ.

Wherever the search for resources takes your team, you can depend on Cygnus' Energy and Mining solutions to significantly boost your field effectiveness. At Cygnus, we ensure your employees stay connected with their colleagues and families at all times, we are committed to meeting your business goals, and we are transforming our solutions with your evolving business needs.

Thuraya IP Voyager

For quick connectivity on-the-move, look no further.

This is Thuraya IP Voyager.

For business communications on the go, with no trade-off on connectivity, the Thuraya IP Voyager is the only vehicular terminal in the marketplace capable of achieving broadband speeds up to 444kbps. It's designed for quick and easy deployment on any vehicle, in just seconds, so you can focus on facilitating information transfer and serving new and untapped markets. The magnetic feet and rigid chassis can withstand any high-vibration environment, including protection from dirt, dust, water, and oil.

This high-quality, ultra-reliable, and affordable vehicular satellite terminal has been designed with a wide range of business operations and corporate networks in mind. Whether you're quickly setting up an office in the field or attending a video conference with your colleagues, the IP Voyager allows you to securely and reliably communicate with ease, using video, data, and VoIP. With a built-in WiFi access point and four PoE ports that allow for multiple wired devices, the IP Voyager is ideal for field offices, information transfer, and constant connection to your colleagues.

Product Features

Easy installation
The antenna, with its magnetic feet, can be fitted on any vehicle in seconds. This vehicular satellite unit has simple plug-and-play features that enable a hassle-free experience.

Durable and dependable
Built for vehicular-use, the unit has a rigid chassis with internal components that can withstand high vibration environments. The antenna holds an IP56 Ingress Protection Rating – which provides protection from dirt, dust, water, oil, and other non-corrosive materials.

High-speed streaming capabilities
With speeds of up to 444kbps while on-the-move, Thuraya IP Voyager is the only terminal in the market capable of achieving streaming IP speeds of up to 384kbps.

Asymmetric streaming
The Thuraya IP Voyager can be configured to allow users to manage their upload and download speeds to match their usage and ensure significant savings.

Unlimited data usage
With the IP Unlimited data plan, users can conduct all field operations, including video conferences, file transfers, and other high-bandwidth applications at a fixed monthly rate, with no additional costs.

Built for **comms-on-the-go.**

Product Specifications

Data rates	Standard IP up to 444kbps
	Streaming IP up to 384kbps
Connectors	4 PoE ports (limited to 30W max for 12V and 60W max for 24V installations)
WLAN connectivity	IEEE 802.11 b/g/n with WPA2 encryption
Mechanical vibration	200-2000 Hz, 0.3 m²/s³ MIL-Spec 810B
BDU (Below Deck Unit)	
Weight	2.3 kg
Dimensions	46 mm(H) x 281 mm(W) x 233 mm(D)
Main power input	10-32 Volt DC, 70W max (7A max)
Mechanical vibration	200-2000 Hz, 0.3 m²/s³ MIL-Spec 810B
Antenna	
Weight	2.0 kg
Dimensions	252 mm x 119 mm
IP rating	IP56
Package includes	
Thuraya IP Voyager BDU	
Tracking antenna, 6 meter RF cable, power cable, magnetic mounts	
User Guide and Installation Guide	
Note: The cable length can be changed, but the maximum loss must be less than <10 dB at 1.6 GHz.	

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Thuraya MCD Voyager

A portable auto-pointing satellite broadband terminal

This is Thuraya MCD Voyager.

Your remote communications, packed and ready to carry in a secure and ruggedized MCD case. The Thuraya MCD Voyager is a self-contained device offering portable satellite internet, at speeds of up to 444kbps, both stationary and on the move. Enabling quick communication and facilitating reliable information transfer with your colleagues, the click-and-go feature is operated by a single button, which connects you to the Thuraya network and establishes a WiFi internet hotspot for any wireless device within 100 meters. Easily set up a field office and access your corporate network anytime, wherever you are.

The MCD Voyager can be operated by personnel without any training or certification, so you can focus on your high-priority tasks and business operations on-the-go. With an auto-pointing functionality, no pointing or aiming is required, connecting users online in less than a minute. The MCD Voyager is contained in a watertight, crush-proof, dust-proof, and reinforced plastic case, you can be ensured that your business is in safe hands.

Product Features

Plug & Play

No pointing or aiming required, with the auto-pointing satellite terminal that allows users to connect in under a minute. by creating a Wi-Fi hotspot accessible by any wireless device within a 100-meter range.

Simple to use

Thuraya MCD Voyager requires no training and can be operated by anyone.

Operates while stationary or on the move

Ideal for on-the-move operations that require rapid response: simply place the Thuraya MCD Voyager under an open sky, on top of a rock, and switch it on.

Durable and Dependable

Contained in a watertight, crush-proof, dust-proof reinforced plastic case, MCD Voyager operates under extreme environments from -25°C to +70°C (-13°F to 158°F). It works in heavy rain and up to 20mm of ice. The case is designed to allow it to fully function even with the lid closed. Environmentally rated IP66, it is immune to water jets from any direction. Thuraya MCD Voyager operates for up to 5 hours on the internal battery, or continuously if a power source is available.
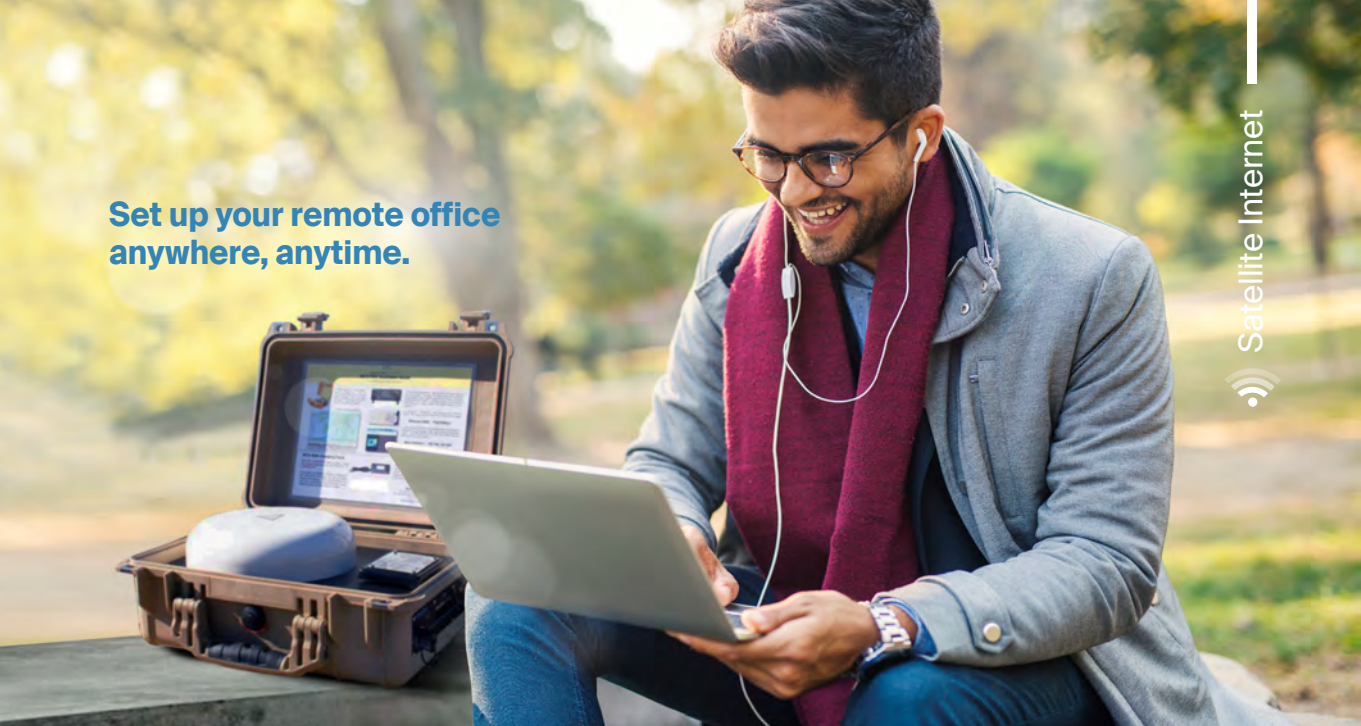
High-speed streaming capabilities

With speeds of up to 444kbps, the MCD Voyager is the only terminal in the market capable of achieving streaming IP speeds of up to 384kbps.

Asymmetric streaming

The Thuraya MCD Voyager can be configured to allow users to manage their upload and download speeds to match their usage and ensure significant savings.

Set up your remote office anywhere, anytime.

Product Specifications

Speeds & network	
Download/Upload Internet Speeds	444kbps down, 404kbps up
Wi-Fi	802.11b/g/n - Up to 100 meter Wi-Fi range (328 feet)
DHCP	Default setting for connecting up to 10 devices
External Ports	Two Ethernet RJ-45 ports, Power/Charge port
Wireless Security	WEP, WPA, WPA2 & MAC Filtering (whitelist)
Streaming IP services	Up to 384kbps
Web Interface	For all device types including smartphones
System characteristics	
Case Colors Available	Black, silver, orange, yellow, desert tan, green
Exterior Dimensions	17"L x 13.75"W x 6.75"H (432 x 349 x 171 mm)
Weight	11.46 kg (25.3 lbs)
Internal Battery Life	Up to 5 hours of normal use
Recharge Time	About 4 hours from fully discharged
Humidity	95% RH at +40°C
Operating Temperatures (Internal Electronics)	-25° C to 70° C (-13° F to +158° F) operating
Rain/Water/Dust Ingress	IP66 when case is closed (powerful water jets)
Max Turning Rate	40° per second
Turning Acceleration	50°/s2
Wind	If case is secure, it is not affected by wind
Ice	20mm of ice buildup before non-operation available
Compliance Certifications (radio)	CE, EMC 301 444, 301 489, IEC 60950

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Thuraya IP Commander

Reliable satellite connectivity on-the-move.

This is Thuraya IP Commander

Supporting you to take command in the harshest terrains, and in the toughest of conditions, this ruggedized MIL-SPEC vehicular terminal provides mission-critical, voice, and data connectivity on-the-move. Engineered with a simple plug-and-play feature, the Thuraya IP Commander can be fitted on a vehicle for swift mission deployment or transitioned into a fixed position within minutes, perfectly suited for military encampments.

The Thuraya IP Commander facilitates vital communications at high speeds of up to 444kbps, which is essential for C4ISR, blue-force tracking, logistical management, and tactical command. The terminal is also capable of user-definable asymmetric streaming, which is indispensable for effective and reliable real-time, two-way communications. Connectivity and interoperability are available over a wide range of mobile communication platforms and Thuraya certified solutions including encryption to guarantee the confidentiality of your mission-critical data, real-time video surveillance to monitor border patrol operations, and radio over IP to send voice messages to closed groups.

Product Features

Solid and dependable
Built for vehicular-use, the satellite terminal has MIL-SPEC connectors and a chassis that is able to withstand the harshest treatment.

Easy installation
The antenna with its magnetic feet can be fitted in seconds. The vehicular satellite terminal has simple plug-and-play features. However, it can also be transitioned into fixed installation scenarios in minutes.

Voice and IP
The terminal has a robust voice handset that offers clear and uninterrupted voice connectivity across Thuraya's voice network. It also supports IP broadband speeds of up to 444kbps while on the move.

High-speed streaming capabilities
Thuraya IP Commander is the only ruggedized terminal in the market capable of achieving streaming IP speeds of up to 384kbps.

Asymmetric streaming
The Thuraya IP Commander can be configured to allow users to manage their upload and download speeds to match their usage and ensure significant savings.

Unlimited data usage
With the IP Unlimited data plan, users can conduct all field operations, including video conferences, file transfers, and other high-bandwidth applications at a fixed monthly rate, with no additional costs.

The toughest vehicular satellite broadband
terminal for any terrain.

Product Specifications

Data rates	Standard IP up to 444kbps, Streaming IP up to 384kbps
Connectors	1 x Ethernet, 1 Voice
WLAN connectivity	IEEE 802.11 b/g/n with WPA2 encryption
Satellite Terminal	
Dimensions:	71mm x 152mm x 313mm (HxWxD)
Weight:	2.9 kg
Main power input:	12-24V DC
Mechanical vibration:	MIL-STD-810G and MIL-STD-202G
Antenna	
Weight:	2.0 kg
Dimensions:	252mm x 119mm
IP rating:	IP66
Package includes	
Thuraya IP Commander terminal	
Tracking antenna, 6meter RF cable, Power cable, Magnetic mounts	
User Guide and Installation Guide	

Connecting you in open waters.

Working offshore can mean that days, weeks, and even months pass by without much meaningful contact with family and friends on-shore. We understand the challenges present with communication at sea. Whether you need connectivity to correspond with headquarters, to keep your crew safe and happy, to manage a fleet of vessels, or to maintain IP networks on remote vessels, we've got you covered.

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Thuraya MarineStar

Affordable maritime satellite voice.

This is Thuraya MarineStar

The most affordable maritime satellite voice solution, with tracking and monitoring capabilities. Besides offering circuit-switched voice and SMS services, this device is also capable of supporting GmPRS data connectivity. Delivering enhanced connectivity, flexibility, and improved efficiency for those operating on fishing vehicles, or leisure yachts, the Thuraya MarineStar is a must-have at sea.

Offering tracking and monitoring, as well as catch reporting capabilities, the MarineStar is ideal for both merchant fleets and smaller regional vessels. Cygnus understands that the welfare of your crew is of utmost importance, which is why we recommend the Thuraya MarineStar, to offer your crew the ability to make satellite calls to landlines, mobiles, and other satellite phones, even in turbulent conditions.

Product Features

- **Quick and easy to install**
- **Circuit-switched voice**
- **Fish catch reporting capability**
- **Advanced 2-way vessel tracking and monitoring based on time, distance, speed, and area.**
- **OTA (over-the-air) capabilities**
- **Versatile interface functions**
- **SOS alert**
- **Geofencing capability**
- **Push notification for weather, news and other alerts**
- **Radio silence**

Blending a robust design
with unmatched functionality.

Tracking applications as a service

**Service add-on: Tracking application
(This is an optional service)**

Languages: English, Chinese, Vietnamese, Japanese, French, Arabic, Bahasa, Tagalog, Turkish

Product Specifications

Service	
Circuit-switched voice SMS GmPRS (externally via serial interface)	
Hardware	
IP Rating:	ADU: IP56 BDU: IP32
Operating temperature:	ADU: -25°C to +55°C BDU: -15°C to +55°C
Physical interfaces:	GPIO -2in -2out RS-232 NMEA support RJ-11 analog phone extension and PBX Inbuilt PBX between BDU and extension phone to support office-on-the-bridge requirements 3.5mm audio output

GNSS	GPS GLONASS BeiDou
Languages:	English, Arabic, Chinese, Vietnamese, Japanese, French, Turkish, Bahasa, Tagalog
Key features	
Fish catch reporting Tracking based on area, time, distance and speed Geofencing Radio silence SOS button Over-the-air programming Power indicator Low and high voltage input power indicator	
Key service add-on	
Tracking application*	

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Thuraya Atlas IP+

The new wave in satellite broadband connectivity at sea.

This is Thuraya Atlas IP+

Connecting you in open waters and improving your operational efficiency is the Thuraya Atlas IP+, a full-featured maritime terminal that supports voice and broadband IP data, with speeds of up to 444kbps. Offering the best broadband speeds for an L-band maritime terminal of its size, the Atlas IP+ enables both small and large vessels to have secure broadband connectivity and fast data links to shore.

Offering built-in WiFi to the stabilized antenna, the Atlas IP+ is an expansive product that provides data connectivity for over 10 users, as well as flexible voice calls through an analog phone connected through an RJ11 port. A built-in firewall means increased security and control for ship owners and captains to easily manage data traffic. With tracking, position reporting, and geofencing features that are easily integrable with fleet management systems, you can track the real-time locations of vessels and send alerts to your onshore crew.

Product Features

Optimal data speeds

Thuraya Atlas IP+ offers the best data speeds for an L-band maritime terminal of its size, enabling even smaller ships to have broadband connectivity while maximizing their above and below deck space usage.

Flexible voice calls

Through its RJ11 port, the terminal's BDU can be connected to any standard analog phone – including cordless models, allowing for simultaneous voice and data sessions. The voice calls run via the Thuraya VOIP services, lending a cost-effective service option.

Enhanced firewall capabilities

lending security to broadband communications by enabling ship owners or captains to control data traffic. The firewall allows load-intensive pages, such as video streaming or conferencing sites, as well as other undesirable domains, to be blocked, ensuring that the available bandwidth is used efficiently and cost-effectively.

Tracking and reporting

The terminal comes with SMS tracking, position reporting, and geo-fencing features, which can be integrated into a fleet management system to track the real-time location of vessels. Geo-fencing further allows automatic alerts to be sent to the at-shore crew, who can then prepare for the arrival of an approaching vessel. This function can be set to send IP- or SMS-based alerts for entering or leaving predetermined zones. Tracking is set by time duration between alerts or by the distance moved by the vessel.

High-speed connectivity
for the high seas.

Product Specifications

Physical Characteristics	
Weight	1.4 kg (terminal and battery)
Size	216mm x 216mm x 45mm
Packet Data Services	
Streaming IP	384 kbps
Standard IP	444 kbps
Tolerances	
Operating Temperature	Running from external supply: -25°C to +55°C
	Running from battery: 0°C to +50°C
Storage Temperature	Including battery: -20°C to +60°C
	Excluding battery: -25°C to +80°C
Operating Humidity	95% RH at 40°C
Mechanical Vibration	200-2000 Hz, 0.3 m/s MIL-Spec 810B
Unpacked Drop	0.5 m on concrete surface
Ingress Protection	IP55 Standard
Compliances and Certifications	
	CE, EMC 301 444, 301 489, IEC 60950

Power	
External Power	Main power supply adapter, 100-240 V AC at 50-60 Hz
Output Voltage	19 volt DC, 3.4 amps
Battery	
Battery Life	Up to 36 hours stand by time
	1 hour of continuous transmission at the highest rate
Battery Type	Lithium-Ion
Interfaces	
Connectors	Ethernet (RJ-45)
User Interface	Web-based graphical user interface accessible via standard web browser.
External Antenna Connector	GPS and only one antenna connector
WLAN Connectivity	IEEE 802.11 b/g/n standard with:
	- WEP, WPA and WPA2 encryption
	- SSID broadcasting control
	- MAC address filtering
	- DHCP

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Thuraya Orion IP

The search for high quality, affordable broadband is over.

This is Thuraya Orion IP

A maritime-specific broadband terminal offering satellite data communications at speeds of up to 444kbps. Suitable for both small ships and boats, those in the maritime, fishing, and merchant industries can benefit from a robust, reliable, and competitively priced data connection. Ensure your vessel stays ahead of any problems or delays by being able to easily receive weather forecasts, operational information, and the latest electronic navigation charts.

We understand that those based at sea are frequently isolated from family and friends on shore. This is why we recommend the Thuraya Orion IP which offers both crew members and passengers to use their phones to send instant messages, make voice and video calls over the internet, and access social media. Even more, you are ensured to meet your operational efficiency goals with the ability to remotely monitor equipment, offer remote IT support, conduct database replication, and internet optimization.

Product Features

Single cable installation

Small and lightweight

Easy installation

Broadband internet
access offshore.

Product Specifications

Data rate(s)	Standard IP up to 444kbps Streaming IP 16, 32, 64, 128, 256 and 384kbps
Size of above decks unit (ADU)	265 mm x 270 mm
Weight of ADU	3 kg
Ethernet	Four PoE ports supplying 15VV each to four PoE compliant devices (Limited to 30VV total if BDU input voltage is 10-16 volt DC)
Autonomous beam handover	Yes
Wi-Fi access point	Yes
Input voltage	10-31 volts DC, 70141 max (7A max)
Coaxial cable loss	10dB max

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On-demand connectivity for mission-critical deployments.

We work alongside defense, disaster response and humanitarian teams across the globe by providing secure and faultless back-up systems that enable them to accomplish the most challenging and dangerous missions anytime, anywhere. Our remote communication solutions include lightweight and portable equipment to enable high mobility and quicker response time for operational units. Allow us to take care of your remote communications for any budget, so you can focus on the job at hand- responding to emergencies, safeguarding nations, and saving lives.

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Thuraya FT2225

Real-time, secure, two-way communications.

This is Thuraya FT2225

When it comes to tracking assets, monitoring sensors, and controlling the security of your business operations, the Thuraya FT2225 is the future of operations management. By utilizing a highly secure, robust IP-based, two-way communication network, you'll be able to receive real-time communications to keep your business running at peak performance. With capabilities such as leak detection, substation automation, and meter readings for your utilities and the ability to connect and manage your remote assets such as operational vehicles and ATMs, you eliminate the need to visit every asset in-person.

The FT2225 is highly flexible and adaptable, coming equipped with onboard memory to help you load local applications, specific to your business needs and requirements. With a ruggedized design built to withstand harsh weather conditions, you can be assured that your business operations will run smoothly. Increase your overall network security with streamlined activities and function smoothly with very few chances of your assets going out of order.

Product Features

- **IP-based networking**

- **Interface agnostic with Ethernet and Wi-Fi and support for USB, serial, Modbus, CanBUS**

- **Two-way send/receive connectivity**

- **Multicast and Broadcast capability enabling efficient mass polling and message distribution**

- **Low-latency for instant message transfer and real-time monitoring with no delays**

- **Ruggedized highly reliable terminals for operation in harsh weather conditions**

- **Low Total cost of ownership with bandwidth-efficient networking and no minimum billing increment or overhead charges**

- **Embedded GPS and GLONASS**

The critical application
tracking device.

SATELLITE COMMUNICATION	
TWO-WAY COMMUNICATIONS	
Narrowband IP	UDP and TCP/IP supported
Frequency Band	TX 1626.5 to 1675.0 MHz R X 1518.0 to 1559.0 MHz Typical latency <2 sec 100 bytes
Transmission Security	Link encryption AES-256
INTERFACES	
GNSS	GPS + GLONASS (L1 frequency)
EXTERNAL INTERFACES	
Power	10 to 32 VDC, via multi-pin connector, short circuit and surge protection
Wi-Fi	IEEE 802.11 B/G, 2.4 GHz
External interfaces that can be supported	Ethernet, Serial, CAN Bus, Modbus and USB 2.0 Via multi-pin connector
MECHANICAL	
Size	(L x W x H) 178 x 130 x 42 mm
Weight	<900g
ENVIRONMENTAL	
Solar Radiation	1120 W/m2 p per IEC-60068-2-5
Relative Humidity	Up to 100% condensing at 45° C, per IEC 60068-2-30
Ingress Protection	IP66 dust and spray proof in all directions
Wind Speeds	Up to 200 km/hr
Air Pressure Transport	4500 m AMSL

TEMPERATURE	
Operational	-40° to +71° C
Transport	-40° to +85° C
Storage	-40° to +85° C
VIBRATION	
Operational	Random vibration of 1.05 g rms in each of three mutually perpendicular axes 5 to 20 Hz vibration: 0.02 g2 /Hz 20 to 150 Hz vibration: -3 dB/octave
Survival	Transportation vibe per IEC 60068-2-64 Frequency 5 to 200 Hz ASD 1.0 m2/s3
SHOCK	
Operational	IEC 60068-2-64, 50 m/s2, 11 ms
Survival	Transportation shock per IEC 60068-2-29, A = 180 m/s2, t = 6 mS
CERTIFICATIONS	
CE	Per R&TTE Directive 1999/5/EC, Low Voltage Directive 2006/95/EC
FCC	Title 47 Section 15, Title 47 Section 25
RCM	AS/NZS CISPR 22:2009 Safety IEC/EN/AS/NZS 60950-1, IEC/EN/AS/NZS 60950-22
RoHS	Per European Union Council Directive 2011/65/EU
REACH	Per European Union Council Directive 1907/2006/EC
WEEE	Per European Union Council Directive 2012/19/EU

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Thuraya T2M-Dual

Mobility. Versatility. Reliability. Efficiency.

This is Thuraya T2M-Dual

Offering the very best in security and connectivity when tracking and monitoring your remote assets. Easily keep track of all your assets, with built-in navigation systems supporting: GPS, Galileo, Glonass, and Beidou. Equipped with dual-mode, the T2M-dual automatically switches between Thuraya's satellite network and partner GSM networks, allowing for constant, seamless coverage. From logistics to construction, if you're looking to track your fixed or mobile assets across changing points with peace of mind, the T2M-dual offers a solution that is simple, flexible, and affordable.

Equipped with 7 modes of communication, along with robust IoT communications and capabilities, the T2M-dual terminal allows for smart, streamlined, and automated data capture across both satellite and GSM networks. The automated network mode selection is determined by least cost routing, so you are guaranteed a much more affordable service. Built to withstand harsh environmental conditions, while delivering actionable data directly to you, the T2M-dual will keep your remote assets, vehicles and overall operations running smoothly.

Product Features

Dual use
Track fixed or mobile assets

Dual-mode coverage
Dual-mode auto-switching between Thuraya's satellite M2M network and partner GSM networks allows for seamless, always-on coverage

Choice of transmission
Unmatched choice of transmission to meet any use case communicate over 3G GSM or Satellite: Messaging, GmPRS IP Data, Circuit Switched 9.6 kbps data

Mobile fleet tracking
Track and manage vehicles and assets across borders, to ensure remote asset safety and efficiency

Operational efficiency
With the ability to gauge and continually monitor events, T2M-DUAL helps operators make smarter decisions to drive operational efficiency

Low total cost of ownership
Cost-effective data plans with a data pooling option, giving peace of mind with predictable costs

Location
Know the exact location of all your assets with built-in navigation systems supporting: GPS, Galileo, Glonass and Beidou navigation systems

OTA
Over-the-air command and control SDK and Protocol support

Quick, Extensive, and
Resilient Tracking.

Key uses

Fleet management; Rail tracking; Oil & Gas, SCADA and Pipeline monitoring; Smart grid and smart metering applications;

Security, surveillance and tracking; Weather station monitoring; Hydro and environmental management

General Specifications		
Size (mm)	133(W) x 103(L) x 39.8(H)	Unit: mm
Weight	395 g 1.35 kg	T2M – DUAL terminal Including accessories
Operating Temperature	-30 °C ~ +70 °C -20 °C ~ +60 °C	Excluding backup battery Including backup battery
Battery Capacity	3000 mAh	Li-ion
Storage Temperature	-40 °C ~ +85 °C	
Vibration	Random 5~20Hz 0.05g2/Hz, 20~150Hz: - 3dB/oct.(1.7g rms), 3-axis, 30minutes for each axis.	
Thermal Shock	-40 °C (1H) / +85 °C (1H), 1 cycle Total 24 Cylce, 48H, non-operating	
Humidity	+70 °C / 95% / 48 Hours, Operating	

Terminal Specifications			
Communication Modem	SAT	Thuraya SM-2700	Support Thuraya Satellite Network
	3G	3G Data Modem	Support Band I, Band V, Band VII
GNSS	Chipset	UBLOX-M8030	Support multi-GNSS:
	TTFF	Cold Stat : 26sec Hot Start : 1sec	GPS, Beidou, Glonass, Galileo
Ingress Protection	> IP66		
Operating Voltage	+10 Vdc ~ +34 Vdc		
I/O Connector	26 Pin	Waterproof connector	
Interfaces	CANbus protocol (J1939) User programmable CAN configuration 4 Digital Input/ Output 2 Analog ADC Data Input 2 Serial RS232 Port 1-Wire Communication		

Terminal Specs		
SIM Slot	SAT: Mini SIM GSM: Micro SIM	
LED	4 LEDs	Power, SAT, GSM, GPS
Additional	DIP Switch Reset Button	Set vehicle voltage Reset terminal

Antenna		
SAT & GPS Antenna	Frequency	1525Mhz ~ 1660.5 Mhz (SAT)
	Impedance	50Ω
	Polarization	LHCP (SAT) / RHCP(GPS)
	Axial Ratio	< 4dB
	Gain	>5dBic@peak
	Size	110 (D) x 42(H)
	Connector	SAT: SMA(F), Gold color GPS: SMA(F), Silver color
	Ingress Protection	IP67
	Mounting	Magnetic Mounting Plate Mounting
3G Antenna	Type Beam Pattern Impedance	Basic: Internal Multi-Band Antenna Optional: External Multi-Band Antenna Omni-Directional 50Ω

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