cygnus.

Thuraya WE

Your remote WiFi hotspot.

This is Thuraya WE

WE understand that in an emergency, rapid response and high-speed connection are a priority. Presenting the Thuraya WE, a satellite IP device allowing you to switch between Satellite and LTE hotspot, with just the click of a button, so you can easily gain access to vital information and communicate with relief teams. Transform any area into a WiFi hotspot, with circuit-switched voice and GSM data speeds, and the capability of connecting up to 10 smart devices within a 30m radius, ideal for when you need to quickly coordinate your humanitarian operations.

Disaster can strike anywhere, even beyond the reach of terrestrial communications, which is why the Thuraya WE helps to extend your data coverage by allowing you to move in and out of terrestrial network 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 stay in contact with colleagues, hospitals, and affected communities. Weighing just 1kg and providing protection from dust and water splash, the Thuraya WE is a vital tool for relief teams and emergency services.

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.

The only hotspot in the market offering dual-mode.

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
Service Partner