

SAT Phone Comparison

	Thuraya XT-DUAL	Iridium 9575	IsatPhone Pro
Networks	- Satellite - GSM (900/1800/1900 MHz)	Satellite	Satellite
Form Factor:			
Display	Outdoor colour screen with brightness sensor	Monochrome black and white display	Colour screen
Dimensions	139x53x27mm	140x60x27mm	170x54x39mm
Weight	211g	247g	279g
Reliability:			
Walk-and-talk functionality	Full walk-and-talk	Basic walk-and-talk	No walk-and-talk
Call stability (dropped calls)	Stable calls due to design of satellite and handset antenna supported by high gain spot beams and dynamic resource allocation	Can experience delay during call handover from one satellite to the next, through inter-satellite links	Satellite antennas are smaller which impacts call quality
Performance of system architecture	Operating as per system design	Not operating as per system design (only 1 out of 12 required gateways are operational)	Operating as per system design
High penetration alerting	Receives calls with retracted antenna	Receives calls with retracted antenna	Calls cannot be received with retracted antenna
Voice codec (call quality)	4 kbps	2.2 - 3.8 kbps	2.4 kbps
Protection standards	IP64 / IK03	IP65 / US MIL810F	IP54
Talk time	- SAT: up to 6 hours - GSM: up to 11 hours	Up to 4 hours	Up to 8 hours
Standby time	- SAT: up to 60 hours - GSM: up to 160 hours	Up to 30 hours	Up to 100 hours
Others:			
Data	- GmPRS: Up to 60 kbps - Circuit switched: 9.6 kbps	Circuit switched: 9.6 kbps	Circuit switched: Up to 20 kbps (additional compression required)
GSM roaming	More than 300 roaming partners	No GSM roaming	No GSM roaming
Languages supported	12	21	8
Additional features:			
Messaging	SMS, e-mail, MMS, Fax	SMS, e-mail	SMS, e-mail
Bluetooth	●	●	●
GPS - View position	●	●	●
GPS - Send as text/email	●	●	●
GPS - Waypoint navigation	●	●	●
GPS - Emergency function (helper)	●	●	●
Alarm	●	●	●
Calculator	●	●	●
Converter	●	●	●
World time	●	●	●
Stopwatch	●	●	●
Calendar	●	●	●
External memory card	2 GB Micro SD	●	●
External programs	Java supported	●	●
Internet browser	Built-in browser	●	●
MP3 audio player	●	●	●
Media Center (Images, Audio files, Video clips)	●	●	●
Organizer	●	●	●
PC synchronization (Calendar, Contacts, etc.)	●	●	●
Programmable favorite keys for frequently used functions	●	●	●