



Portable BGAN Terminal  
STYLITE 500

**Datasheet**

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## Product Description

STYLITE 500 is a portable broadband terminal, developed for land applications, which based on Inmarsat I-4 satellite communication system.

It can provide data service up to 464kbps, and support BGAN IP voice, SMS services, GPS position. With RJ45 wired access and Wi-Fi wireless access available, it can realize multiple users to access to Public Switched Telephone Network (PSTN), Cellular Network, Internet and Mobile Internet.

STYLITE 500 is highly integrated, compact and easy to use. It is suitable for the establishment of temporary offices, outdoor communications, and emergency communications. It makes outdoor activities safer and more secure.

### **What it is**

- Land portable broadband terminal for satellite communications
- High speed internet access, support standard IP and streaming IP
- BGAN IP voice call
- SMS and Email
- GNSS service, timing and positioning
- Wire LAN and Wi-Fi connection, multiple user sharing of network resource
- Web server, iOS APP, Android APP for user interface



## Features

- Standard IP data, downlink 464kbps, uplink 448kbps
- Streaming IP data, support 32kbps, 64kbps, 128kbps streaming
- BGAN IP voice call, built-in SIP server
- SMS / Email sending and receiving
- GNSS service, support GPS, GLONASS and BeiDou
- PPPoE dial-up Internet access
- Data connection ON / OFF switch
- Built-in Firewall, support MAC / IP / Application filtering
- Built-in Web console, Remote Access for diagnostic, configuration, management
- Smartphone application, support iOS APP and Android APP
- Integrated DHCP / NAT routing
- System settings backup and recovery
- Traffic management, traffic threshold configurable, threshold alarm
- Wire LAN (RJ45) and Wi-Fi connection, Wi-Fi coverage 60 meters
- Global coverage (except for the poles)
- Protection Grade IP65
- Shock Resistance IK04

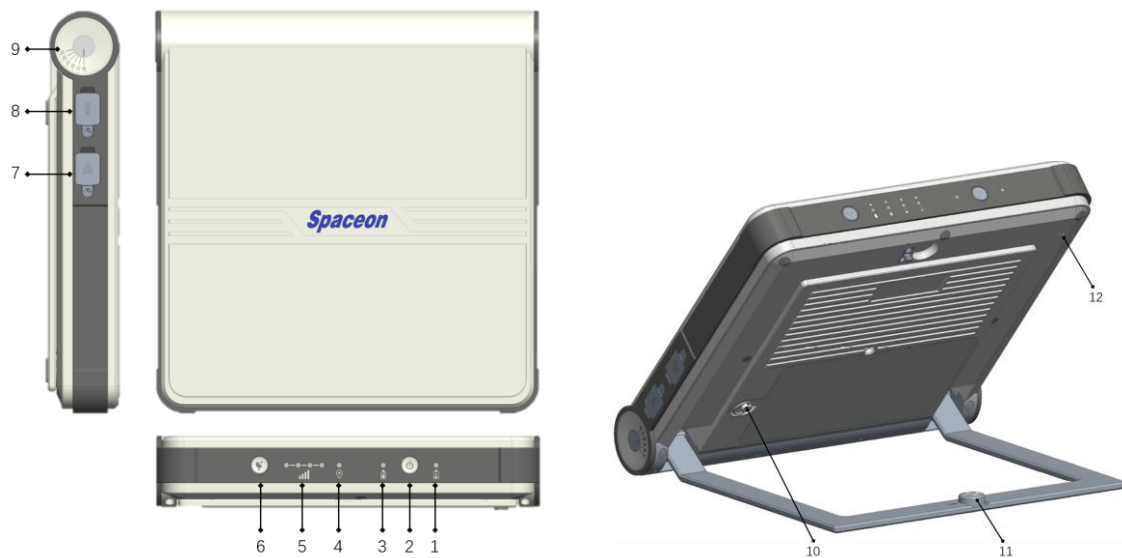
# Appearance

## Composition

STYLITE 500 is composed of

- Host Unit
- Battery
- Adapter

## Interface



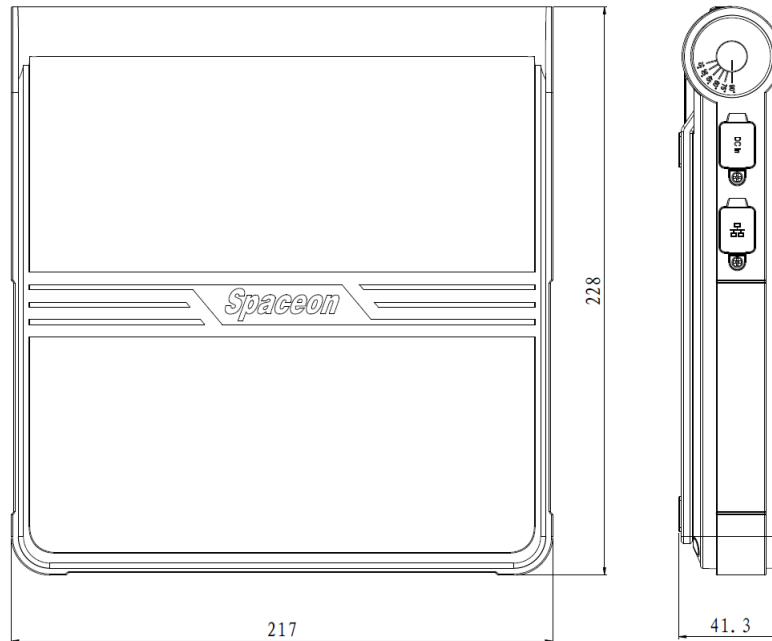
- 【1】 Charging Indicator LED
- 【2】 Power Switch
- 【3】 Power / Battery Indicator LED
- 【4】 Positioning Indicator LED
- 【5】 Signal Strength Indicator LED
- 【6】 Satellite Pointing Key

- 【7】 RJ45 LAN Interface
- 【8】 DC Power Interface
- 【9】 Elevation Indication
- 【10】 Battery Lock
- 【11】 Compass
- 【12】 Buzzer



## Dimension

Dimension of the terminal: 228mm x 217mm x 41.3mm





## Technical Specifications

Frequency	
Receiving frequency	1518MHz~1559MHz
Transmitting frequency range	1626.5MHz~1660.5MHz
Coverage	
Service coverage	Angle: 5° ~ 90° Azimuth: 360°
Receiver	
G/T	≥ -13.5dB/K
Transmitter	
EIRP	-6.34dBW
Service	
Standard IP	Downlink 464kbps, Uplink 448kbps
Streaming IP	32 kbps / 64 kbps / 128 kbps
Voice	BGAN IP voice
SMS	160 Latin characters
Environmental Conditions	
Operating temperature	-20°C ~ +55°C
Storage temperature	-30°C ~ +80°C
Relative humidity	95%, non-condensing (+40°C)
Protection grade	IP65
Shock Resistance	IK04
Power Supply	
Battery	6Ah @ 11.1V, 66Wh
Adapter	19VDC
Data / Call duration	4h
Standby	48h
Interface	
LAN port	1 RJ45
SIM Card Slot	1 SIM slot
Wi-Fi	Built-in, Cover radius 60m

**FCC Caution:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.