

Fully Automated

Portable SATCOM Terminal



BWP800B fully automated portable SATCOM terminal has a 0.8m aperture antenna, which can provide up to 4Mbps service transmission rate, can effectively meet the multimedia data transmission, trunk network access and other high-speed service requirements. The equipment adopts innovative mechanical structure design, easy to assemble and store, and can be quickly deployed in various environments. After startup, the equipment will automatically align with the satellite and enter the network, and establish a satellite link automatically, without requiring any professional knowledge of the operator.

BWP800B Automatic Portable SATCOM Terminal	Common Automatic Portable SATCOM Terminal
<ul style="list-style-type: none"> • Innovative mechanic design, easy to assemble and receive 	<ul style="list-style-type: none"> • Many components, not easy to install and use
<ul style="list-style-type: none"> • Automatic satellite aiming, accessing & linking 	<ul style="list-style-type: none"> • Automatic satellite aiming, manual network accessing, complicate link building
<ul style="list-style-type: none"> • Suitable for high-speed data transmission 	<ul style="list-style-type: none"> • Suitable for low-speed communication, hard for high-speed service
<ul style="list-style-type: none"> • Strong communication capabilities, independent of bad weather and latitude 	<ul style="list-style-type: none"> • Weak communication capabilities, bad weather and latitude have huge influence
<ul style="list-style-type: none"> • Self-owned IPR Customization Available 	<ul style="list-style-type: none"> • No Core Technology Customization unavailable

Technical Parameter

BWP800B型便携式卫星通信终端

• Dimension	390mmx180mmx480mm
• Weight	18Kgs with battery
• Antenna Aperture	0.8M
• Antenna Type	forward-fed dual reflector antenna
• Antenna Material	Carbon fiber
• Polarization Mode	Linear polarization
• XPI	≥ 30dB
• Working Frequency	Sending: 14.0GHz~14.5GHz, Receiving: 12.25GHz~12.75GHz
• BUC Power	8W/16W
• Support Services	Voice, Video, Picture, Text, Short Video Message, Data
• Data Rate	32Kbps~4Mbps
• Setup Time	≤ 3Min
• Modulation	QPSK,8PSK
• Coding	LDPC (1/2, 3/4)
• Threshold Eb/N0	2.5dB(QPSK 1/2), 4dB(QPSK 3/4), 6dB(8PSK 3/4)
• Bit Error Rate	≤ 10 ⁻⁶
• Data Interface	RJ45、Wi-Fi
• Security (Optional)	AES data encryption, RSA Key exchange
• Operating Temperature	-30°C ~ +55°C
• Proof Level	IP65
• Battery Capacity	19200mAh
• External Power Supply	Adapter 220V AC, Power Box 24V DC

