

Compact-Design

Shipborne SATCOM Terminal



BWS800B/1000B Shipborne SATCOM terminal can be installed on various kinds of ships or vessels to provide SATCOM services between ship and land or between ships. Its installation and operation are simple and reliable. All the communication components are integrated inside the radome while data link can be built by connecting network cable only. This terminal supports voice, video, short message and data transmission services, thus can provide communication support or Internet access services for the crew.

BWS800B/1000B Shipborne SATCOM Terminal	Common Shipborne SATCOM Terminal
<ul style="list-style-type: none"> • Integrated design, no external equipment 	<ul style="list-style-type: none"> • External SATCOM modem required
<ul style="list-style-type: none"> • Simple interface, easy to use and maintain 	<ul style="list-style-type: none"> • Complex interface design
<ul style="list-style-type: none"> • User friendly control software 	<ul style="list-style-type: none"> • Difficult to use
<ul style="list-style-type: none"> • IIPR & Strong Customizability 	<ul style="list-style-type: none"> • Lack of core technology

Technical Parameter

BWS800B/1000B Shipborne SATCOM Terminal

• Dimension (Diameter x Height)	930mm × 960mm/1200mm × 1300mm
• Weight	42kg/80kg
• Antenna Aperture	0.8m/1m
• Antenna Type	Splash plate antenna/Ring-Focus back-feed antenna
• Polarization mode	Linear polarization
• XPI	≥30dB
• Dynamic Accuracy	0.2° RMS
• Azimuth Rotation	360°
• Pitch Rotation	-5° ~ 110°
• Horizontal Rolling Rotation	-30° ~ 30°
• Polarization Rotation	0° ~ 270°
• Working Frequency	Sending: 14GHz ~ 14.5GHz, Receiving: 12.25GHz ~ 12.75GHz
• BUC Power	16W
• Support Services	Voice, Video, Picture, Text, Short Voice Message
• Satellite Aiming Time:	Initial: 3 mins, after sheltered: ≤3S
• Data Rate	16Kbps ~ 4Mbps
• Modulation	QPSK
• Coding	LDPC
• Data Interface	RJ45, Wi-Fi
• Data Security (Optional)	AES data encryption, RSA Key exchange
• Operating Temperature	-40°C ~ +55°C
• External power supply	220V AC

