

# Space-Saving

## Vehicle SATCOM Terminal



BWV600B/800B Vehicle SATCOM Terminal is designed to meet the demands of high-speed data transmission and COTM when abrupt disaster happens. The Satellite Antenna, BUC and SATCOM Modem are all integrated inside the Radome. Wi-Fi access is provided for the user to do wireless control and data transmission. The equipment has low requirement for vehicle modification, which can solve the general problems caused by the installation difficulty and insufficient interior space.

BWV600B/800B Vehicle SATCOM Terminal	Common Vehicle SATCOM Terminal
<ul style="list-style-type: none"> <li>• <b>Integrated design, 0% interior space taken</b></li> </ul>	<ul style="list-style-type: none"> <li>• Most space occupied by equipment</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Low vehicle modification requirement</b></li> </ul>	<ul style="list-style-type: none"> <li>• Complex design for internal equipment</li> </ul>
<ul style="list-style-type: none"> <li>• <b>Wi-Fi interface provided</b></li> </ul>	<ul style="list-style-type: none"> <li>• No Wi-Fi interface</li> </ul>
<ul style="list-style-type: none"> <li>• <b>IIPR &amp; Strong Customizability</b></li> </ul>	<ul style="list-style-type: none"> <li>• Lack of core technology</li> </ul>

# Technical Parameter

## BWV600B/800B Vehicle SATCOM Terminal

Dimension (Diameter x Height)	1300mm × 300mm/1100mm × 580mm
Weight	55kg/65kg
Antenna Aperture	0.6m/0.8m
Antenna Type	Planar waveguide horn array antenna
Polarization Mode	Linear polarization
XPI	≥30dB
Dynamic Accuracy	0.2° RMS
Azimuth Rotation	360°
Pitch Rotation	0° ~ 90°
Polarization Rotation	360° / 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

