

## Ka Band Civil Aviation Airborne VSAT

- Automatically collect and output carrier position and attitude information
- Storage of more than 10 satellite position parameter
- Terminal One-key start, antenna tracking the satellite automatically
- Polarization direction automatically adjust
- Power-down memory and protection
- Device detection and status checking
- Power-on self test and fault alarming



MODEL	CA450-Ka
Dimension	Φ895mm×260mm
Weight	33kg
Polarization	Circular LHCP/RHCP
Frequency Range	RX : 18.70 ~ 20.20GHz TX : 29.00 ~ 30.00GHz
Receive G/T (Elevation 10°)	13.5 dB/K @ 20.2GHz
Transmit EIRP (dBW)	47.5dBW @29.5GHz
Axial ratio	≤1.5dB
RF Input(Tx)	29.00 ~ 30.00GHz, WR28
RF Output(Rx)	950-2150MHz, TNC 50Ω
Power Consumption	120W ( Average )
Azimuth Range	360°continuous rotation
Elevation Range	0°~ 90°(80°Performance reach the standard)
Az/EI Velocity: Acceleration	> 60°/s; >100°/s <sup>2</sup>
Tracking Accuracy	≤0.2° RMS
Input Power	DC28V
Operating Temperature	-55°C ~ 70°C
Altitude	16800 Meters (55000Feet)
	ARINC 791-P1 ARINC 791-P2 RTCA DO-160G RTCA DO-178