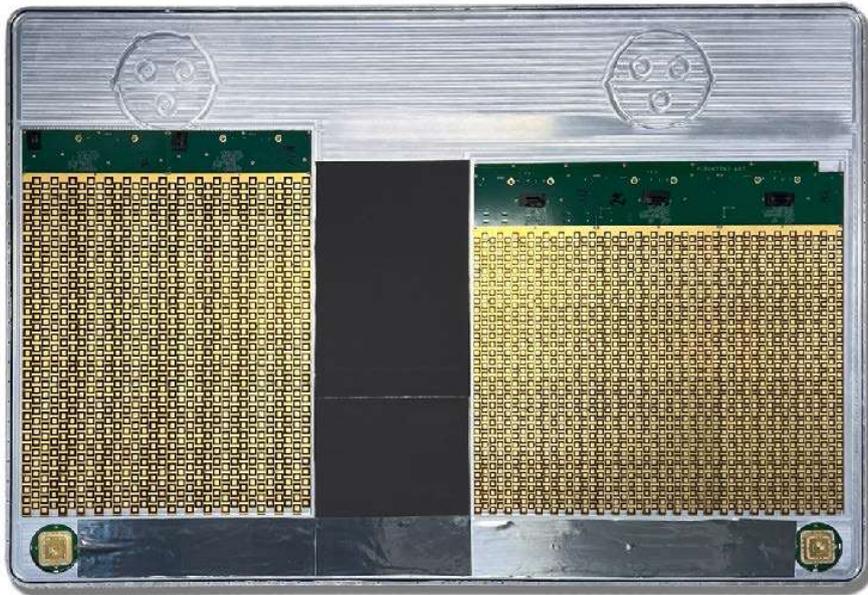


# Ku-band Satellite Communication Phased Array Terminal

Product Photos:

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## Applications:

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Ku-band phased array antenna is a terminal product based on the vehicle platform, which achieves real time communication of satellites through beam width scanning and switching.

## Product Features:

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- AOB architecture, highly integrated design of array and TR, low profile and light weight;
- 2D beam electrical scanning, US level beam switching;
- Equipped with two working modes: FDD/TDD;
- Integrated up and down frequency conversion function;
- Integrated inertial navigation, autonomously correct orientation upon startup, determine due north direction;
- Capable of program tracking and autonomous tracking.

## Technical Parameters:

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Items	Parameters		Remarks
Working Frequency	Tx	14~14.5GHz;	
	Rx	10.7~12.7GHz;	
Working Mode	FDD/TDD		
EIRP	≥48dBm @14.25GHz		Normal Direction
G/T	≥9dB/K @11.7GHz @40K		Normal Direction
Polarization	LHCP/RHCP, switchable		
Tracking Accuracy	≤0.5dB		
Scanning Range	Azimuth	0°~ 360°	
	Off-axis angle	≥±70°	
Axial Ratio	≤4dB		@Off-axis Angle 60°
Sidelobe Suppression	≤12dB		Normal Direction
Power Consumption	≤350W		Transmitting
Power Supply	Adaptor	AC 90~264V/50~60Hz	
	Direct	DC 18-36V	
Dimensions	1100mm × 750mm × 50mm		

Items	Parameters		Remarks
<b>Weight</b>	≤33kgs		
<b>Interfaces</b>	Power Interface	Circular Connector	J30J-15
	Control Interface	Rectangular Connector	
	RF Interface	2.92-K	
	IF Interface	SMA-K	