RADWIN Antenna Specifications

RW-9611-4958INT

4.9-6.0 GHz
Gain 22.5dBi
Dual Polarization
Flat Panel

Electrical	
Frequency Range	4.9-6.0 GHz
Minimum Peak Gain	Port H 18.5 dBi @ 4.9-5.0 GHz 19.5 dBi @ 5.0-5.15 GHz 22.5 dBi ± 0.5 @ 5.15-6.0 GHz Port V 21.0 dBi @ 4.9-5.0 GHz 22 dBi @ 5.0-5.15 GHz 23.5 dBi @ 5.15-5.725 GHz 24 dBi @ 5.725-6.0 GHz
VSWR	1.5 : 1 (typ) 1.7 : 1 (max)
3 dB Beamwidth	8° (typ)
AZ & EL Beam Squint	± 2° Port V & Port H
Polarization	Dual Linear (Vertical and Horizontal)
Sidelobes Level	ETSI EN 302 085 V1.1.2, TS1-TS3
Cross Polarization	ETSI EN 302 085 V1.1.2, TS1-TS3
F/B Ratio	-35 dB (max)
Port To Port Isolation	-40 dB (min)
Input Impedance	50 (ohm)
Input Power	6W (max)
Lightning Protection	DC grounded
Mechanical	
Dimensions (L x W x H)	371 x 371 x 40mm (max)
Weight	2.0 kg (max)
Connector	Two cables double shielded RD-316 with MMCX right angle length 15cm
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Environmental	
Temperature	-45°C to +70°C (IEC 68-2-1, IEC 68-2-2, IEC 68-2-14)
Humidity	Up to 95% (ETSI EN300-2-4, T4.1E)
Water Tightness	IEC 529 - IP67 (when the antenna installed on the radio enclosure)
Flammability	UL 94 - class HB
Solar Radiation	ASTM G53
Salt Spray	IEC 68-2-11 Ka
Ice and Snow	Up to 25mm
Wind Speed	Survival 220 Km/h Operation 160 Km/h
Wind Load (Survival)	Front Thrust 39.6 kg Side Thrust 4.3 kg
Regulatory Compliance	
	ETSI EN 302 326-3 V1.1.2. (2006-03) RoHS , CE 0682