



WLAN 2400-2485 MHz Panel antennas RAS-13W-60, RAS-16W-60

107497, Moscow Chernicinsky pr-d 7/1
Tel.: (495) 775-43-19, 462-44-14
Tel./fax: 462-44-14
E-mail: radial@radial.ru
www.radial.ru



Electrical specifications

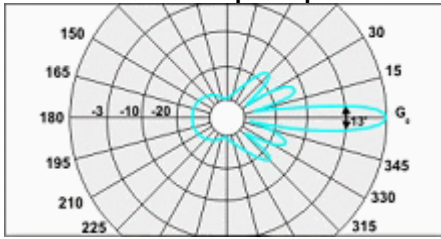
Model	RAS-13W-60	RAS-16W-60
Operating frequency band, MHz	2400-2485	2400-2485
Gain, dBi	13	16
VSWR, not more than	1.5	1.5
Front-to-back ratio, dB	25	25
Polarization		vertical
Electrical downtilt	0°	7°
Max. power input, W	20	20
Sector in H-plane (-3 dB)	60°	60°
Sector in E-plane (-3 dB)	13°	9°
Impedance, Ohm	50	50

Mechanical specifications

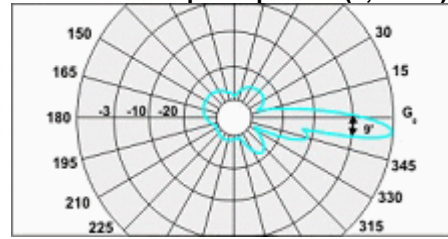
Model	RAS-13W-60	RAS-16W-60
Dimensions (LxWxH), mm	204x63x518	204x63x1015
Weight, kg	1.2	2
Rated wind velocity, m/s	55	43
Radiator	copper	copper
Radome	grey, ABS	grey, ABS
Mounting	on a mast 30-220 mm with "Norma" or CP-55D, CP-115, CP-220	
Connector	N-female on a cable	

As the base sector antennas for the WLAN networks we suggest to use these antennas (RAS-13W-60, RAS-16W-60) which have a standard servicing area within the sector of 60° and a high gain - up to 16 dBi. The antennas have a small electrical tilt of the radiation pattern beam in a vertical plane. To achieve a narrower main lobe one can use our inclination mechanism MN-1. The cable output is very convenient for the encapsulating of the connector, especially in the case when the antenna is mounted on the wall. The cable output is implemented on the high-quality cable of Huber-Suhner production and on a connector of Rosenberger production what ensures a stability of the characteristics.

RAS-13W-60 E-plane pattern



RAS-16W-60 E-plane pattern (2,4 GHz)



"RAS-60" antennas H-plane pattern

