

StellaRoom

- **Model number:** SD-RP301-GW
- **Frequency:** 900Mhz / 2100Mhz
- **Networks:** GSM / 3G



Frequency Specifications:

Frequency bands(Mhz):	(880-960MHz) + (1.92-2.17GHz)	
Coverage:	300m ² (1-2 rooms)	
Number of People:	unlimited	
Gain:	Uplink Gp > 40dB	Downlink Gp > 50dB
Pass band ripple:	< 4dB	
I/O impedance:	50 ohm/N connector	
Max signal strength:	18dBm	
Ambient Temperature:	-30°C to +70°C	
Power supply input:	110 - 240V AC	
Power supply output:	12v DC	
Oscillation Control	Automatic	
Level Control:	Automatic*	
AGC Range	30db	
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected	

Antenna Specifications:

	outdoor antenna	indoor antenna
Nominal Gain	6.4dBi / 9.4dBi	3dBi
3dB beam Pattern	60° x 60°	360°
Bandwidth	790-960MHz + 1710-2700MHz	800 - 2500MHz
VSWR	<1.4	<1.4
Front to Back Ratio	> 20dB	> 20dB
Polarization	Vertical	Vertical
Power Rating	50W	50W
Impedance	50-OHM	50-OHM
Termination	SMA male	SMA male
Cross Pol. Discrimination	-20dB	-20dB
Dimensions	210 x 180 x 43mm	20cm long
Weight	0.68kg	0.1kg
Wind velocity	126km/hr	126km/hr
Working temperature	-40°C to +65°C	-40°C to +65°C

Power Supply Specification:

AC	100-240V	50-60Hz
DC input	12V	0.5A
Typical power usage	6W	

Mechanical Specification:

Length	16cm
Width	15cm
Depth	3.5cm
Weight	0.6kg
Mounting	4 x 5mm holes for mounting

* Automatically adjusts during installation. Thereafter, automatically adjusts for seasonal variation in pathloss between Base station and Outdoor Antenna.

** The uplink amplifiers switch off when the repeater is not in use, thus reducing the uplink noise to almost zero. When the repeater is in use (eg phone call being made), the uplink amplifier switches on for the duration of the call and a blue LED switches on indicating this is the case.

Note: Specifications subject to change without notice.