

Specification sheet

StellaOffice

900Mhz

- Model number: SD-RP1001G-4P
- Networks guaranteed: GSM (900Mhz)
- Operator dependant: +3G (900Mhz)



Frequency Specifications:

Frequency bands(Mhz):	880 - 960MHz
Coverage:	(1000m ² per antenna X 4) = 10-15 rooms
Number of People:	Unlimited number of calls / data sessions at the same time.
Gain:	Uplink Gp > 50dB Downlink Gp> 60dB
Pass band ripple:	< 4dB
I/O impedance:	50 ohm/N connector
Max uplink/downlink signal strength:	14dBm / 10dBm
Ambient Temperature:	-30°C to +70°C
Power supply input:	110 - 240V AC
Power supply output:	12v DC
Oscillation Control	Automatic
Level Control:	Automatic*
Uplink Switch Off	Yes**
AGC Range	30db
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected

Antenna Specifications:

Indoor antenna

outdoor antenna

Nominal Gain	6.4dBi / 9.4dBi	10dBi
3dB beam Pattern	60° x 60°	60° x 50°
Bandwidth	790-960MHz + 1710-2700MHz	790-960MHz + 1710-2700MHz
VSWR	<1.4	<1.5
Front to Back Ratio	> 20dB	> 20dB
Polarization	Vertical	Vertical
Power Rating	50W	50W
Impedance	50-OHM	50-OHM
Termination	SMA male	N-Female
Cross Pol. Discrimination	-20dB	-20dB
Dimensions	210 x 180 x 43mm	442 x 205 x 62mm
Weight	0.68kg	1.2kg
Wind velocity	126km/hr	140km/hr
Working temperature	-40°C to +65°C	-40°C to +65°C

Power Supply Specification:

AC	100-240V	50-60Hz
DC input	12V	0.7A
Typical power usage		15W

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 Basestation 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.