

StellaHome/Office/iRepeater Specification

SD-RP1002 Series



Complete operator protection:

- Feedback detection.
- AGC adjustment.
- Uplink switch off.
- Base station proximity aware.

Kit contents:

- StellaHome/Office/iRepeater.
- External antenna.
- Coaxial cable.
- Indoor antenna(s).
- Power supply.

Repeater Specifications:


Frequencies (MHz) :	(703-788) (791-862) (880-960) (1710-1880) (1920-2170) (2500-2690)
Coverage per port:	1000m ²
Number of People:	Unlimited
Gain:	Uplink: 55dB Downlink: 55dB
Pass band ripple:	< 4dB
I/O impedance:	50 ohm/N connector
Max Uplink/Downlink signal strength:	20dBm /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
Network Protection Features	Automatic
Uplink Switch Off	Yes
AGC Range	30dB
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected

Antenna Specifications:


	Panel	LPDA
Nominal Gain	6.4dBi / 9.4dBi	10dBi / 11 dBi
3dB beam Pattern	60° x 60°	65° x 50°

Power Supply Specification:

AC	100-240V	50-60Hz
DC input	12V	
Typical power usage	6W-40W	

The product should be marked with the appropriate labeling: 

Before connecting this device, approval must be obtained from all operators

A license is required for this device in all EU countries. 

For use in all EU countries:

IE	AT	BE	BG	HR	CY	DE	DK	EE	FI	FR	EL	HU	IT	LV	LU	MT	ES	NL
PL	PT	RO	SI	SK														

Interfaces: GSM, 3G UMTS, 4G LTE, 5G

Declaration of Conformity

We, Stella Doradus Europe Ltd, Coolfin, Portlaw, Co. Waterford, Ireland, declare under our sole responsibility that the products:

Cellular Repeater Models

R1-SOHO	R5-O	SD-RP1002-GD	SD-RP1002-GW-4P
R2-SOHO	SD-RP1002-LG-DW	SD-RP1002-LGDWH	SD-RP1002-GW
R3-SOHO	iR4 -T	SD-RP1002-GDW-4P	SD-RP1002-GDW
R5-SOHO	iR6-T	SD-RP1002-LGDWH-4P	SD-RP1002-G
R2-O		SD-RP1002-G-4P	
R3-O		SD-RP1002-D	

To which this declaration relates is in conformity with the following standards of other normative documents:

Essential Requirement		Applied Standards	Documentary Evidence	Result
Article 3.1(a)	Safety	EN 62368-1: 2018	Test Report 24S10919-1	Pass
Article 3.1(a)	Health	EN 50385:2002	Report 14E5078-4a	Pass
Article 3.1(b)	EMC	ETSI 301 489-1 V1.9.2 (2011-09) ETSI 301 489-50 V2.1.1 (2017-02) EN 61000-3-2 (2014) EN 61000-3-3 (2013)	Report 17E6947-1	Pass
Article 3.2	Radio	EN 301 908-1 V15.1.1. (2021-09) EN 301 908 -11/-15 V11.1.2 (2017-01) EN303 609 V12.5.1 (2017-01)	Test Report 17E6976-1c Test Report 17E6976-1c	Pass Pass

2014/35/EU Low Voltage Directive

2014/30/EU Electromagnetic Compatibility Directive

2014/53/EU RED Directive

We hereby declare that all essential radio tests have been carried out and that the above named product is in conformity with all the essential requirements of Directive 2014/53/EU RED.

Signed:

Date: 15/02/2024

James Browne, Co. Waterford, Ireland

Technical Director