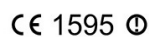


StellaOffice Repeater

The StellaOffice is a 4 port commercial grade cellular repeater for providing mobile coverage in your large building. It has 4 indoor antenna ports which increases coverage to about 10 internal rooms. This powerful repeater has a simple 10 LED indicator to help you during installation. This repeater is R.E.D compliant and safe on the operators. Passes all ETSI compliance tests.

Several frequency combinations are available, see below..



Features:

- Coverage: ~15 rooms
- Compatible with all mobile operators
- Voice and data
- No existing broadband required.
- Simple and intuitive 10 LED indicator
- Everything included for complete installation
- Legal and fully compliant to the EU standards.

Product code	Frequencies (MHz)	Weight	Dims	Power	Ports
SD-RP1002-G-4P	900	0.6kg	15X16X3.5cm	12V, 0.5A	4
SD-RP1002-LG-4P	800/900	1.0kg	32X19X3.5cm	12V,2A	4
SD-RP1002-GW-4P	900/2100	1.0kg	32X19X3.5cm	12V,2A	4
SD-RP1002-LGW-4P	800/900/2100	1.2kg	40X19X3.5cm	12V,1.6A	4
SD-RP1002-GDW-4P	900/1800/2100	1.2kg	40X19X3.5cm	12V,1.6A	4
SD-RP1002-LGDWH-4P	800/900/1800/2100/2600	2.0kg	35X30X4.3cm	12V,2.6A	4

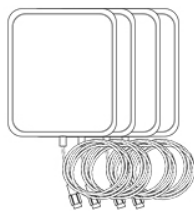
Standard kit includes:



StellaOffice repeater



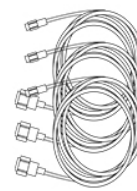
Outdoor Antenna



4X Internal antennas



Power Supply



Internal Cables SD400



15m External cable SD400

Do not use StellaDoradus repeaters with non StellaDoradus equipment.

Stelladoradus repeaters operate silently on the operators network. By using our equipment with competitors equipment you break this control system and could potentially harm the operators network. Doing so will void warranty.

*Bands: Your repeater may be a subset of these bands.
 See options above.

Amplifier Specs

Bands*	B20	B8	B3	B1	B7
Bands Downlink	(791-821)* + (925-960) + (1805-1880) + (2110-2170) + (2620-2690) MHz				
Bands Uplink	(832-862)* + (880-915) + (1710-1785) + (1920-1980) + (2500-2570) MHz				
Coverage	~10rooms				
Gain	Uplink Gp: 60dB		Downlink Gp> 60dB		
Pass band ripple	<4dB				
I/O impedance	50 ohm/SMA female connector				
Max up/down 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				
AGC Level Control:	Automatic ¹				
Uplink Switch On	Yes ²				
AGC Range	30dB				
Surge protection	SMA connectors DC grounded, 12V DC port MOV protected				

Antennas

Indoor Panel

Outdoor yagi

	Indoor Panel	Outdoor yagi
Nominal Gain	6.4dBi / 9.4dBi	10dBi
3dB beam Pattern	60° x 60°	60° x 50°
Bandwidth	700MHz - 2700MHz	700MHz - 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

¹Automatically adjusts during installation. Thereafter, automatically adjusts for seasonal variation in pathloss between the base station and the outdoor antenna.

²The uplink amplifiers switch off when the repeater is not in use. This reduces the uplink noise to almost zero. When the repeater is in use (phone call or data session), the uplink amplifiers switch on for the duration of the call/ data session only.