

# Maven Digital Repeater EMEA-APAC

## Strato Medium Power Repeater

Data sheet version 2.4

1.

### Digital Platform

Tri band supporting all MNOs

2.

### Future-proof

Including support for 5G NR

3.

### Sustainable

Passive cooling & lowest power consumption



Maven Wireless offers cutting-edge, end-to-end digital solutions for global wireless coverage. Our products are future-proof, highly efficient, and cost-effective. We're committed to sustainability and passionate about improving lives by ensuring 100% reliable wireless coverage, anywhere in the world.

# Product specification

## Strato

### General

<b>Mains power</b>	85 – 264 VAC, -72 – -36 VDC optional
<b>Power consumption</b>	200 W max fully loaded
<b>Management</b>	Ethernet 10/100/1000, micro USB, USB accessory connector
<b>Remote access</b>	Optional 4G modem
<b>Operating temperature</b>	-25 to +55 °C
<b>Ingress protection</b>	IP66 (IP21 for indoor variant)
<b>RF interface</b>	Up to 4 bands in one enclosure
<b>Antenna port</b>	4.3-10 or 7/16 optional
<b>System Gain</b>	50 to 80 dB in 0.1 dB steps
<b>Gain flatness</b>	1 dB pp
<b>LTE Delay</b>	Typical 3.3 us
<b>Noise figure</b>	3 dB typical at max gain

## RF Parameters

<b>DL Output power</b>	+30 dBm per band	
<b>UL Output power</b>	+30 dBm per band (outdoor IP66 version) +20 dBm per band (indoor RM version)	
<b>RF Input range</b>	+17 dBm, non destructive	
<b>Frequencies<sup>1</sup></b>	<b>Uplink (MHz)</b>	<b>Downlink (MHz)</b>
	703 – 733	758 – 788
	832 – 862	791 – 821
	880 – 915	925 – 960
	1710 – 1785	1805 – 1880
	1920 – 1980	2110 – 2170
	2500 – 2570	2620 – 2690

## Mechanical

<b>Dimensions (height, width, depth)</b>	670 x 383 x 270 mm (for outdoor)
<b>Dimensions (height, width, depth)</b>	4u x 19" x 310 mm (for indoor)
<b>Weight</b>	25 kg

## Standard & Approvals

<b>EMC &amp; safety</b>	Low voltage directive 73/23/EEC
<b>EMC directive 2004/108/EC</b>	R&TTE directive 1999/5/EC

<sup>1</sup> Various frequency combinations in the same enclosure are available. Contact Maven Wireless for more information. Note: All parameters are subject to change.