

Maven Digital DAS EMEA-APAC

Nimbus Remote Unit

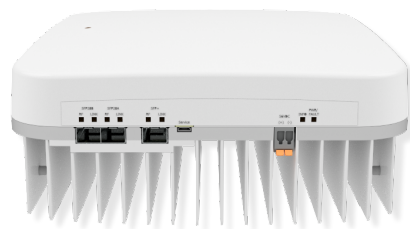
Helix Distribution Unit

Data sheet version 3.6

1.

Digital Platform

CPRI end-to-end.



2.

Future-proof

Add functionality (coverage, technologies such as 5G, and more over time).



3.

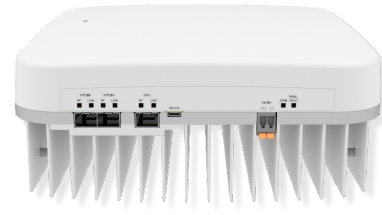
Sustainable

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

Nimbus Remote Unit



General

Power supply options	48 VDC (AC local adaptor) or remotely powered (NPDU)
Power consumption	70 W fully loaded
Operating temperature	0 to +55 °C
Ingress protection	IP40
Antenna	4 Integrated antennas for MIMO and/or SISO
Digital Interface	SFP+, 1 x SFP28 or 2 x SFP28
Number of bands	Up to 4 bands in one enclosure

RF Parameters

Output power	+23 dBm per band above 3 GHz +20 dBm per band below 3 GHz
Noise figure	6 dB typical at max gain

Band ¹	Uplink	Downlink	Operation Bandwidth	Composite Output power	Technologies
700	703 – 748	758 – 803	45 MHz	+ 20 dBm	LTE, 5G NR
800	832 – 862	791 – 821	30 MHz	+ 20 dBm	LTE, 5G NR
900	880 – 915	925 – 960	35 MHz	+ 20 dBm	GSM(**), WCDMA, LTE,

¹ Various frequency combinations in the same enclosure are available. Contact Maven Wireless for more information.

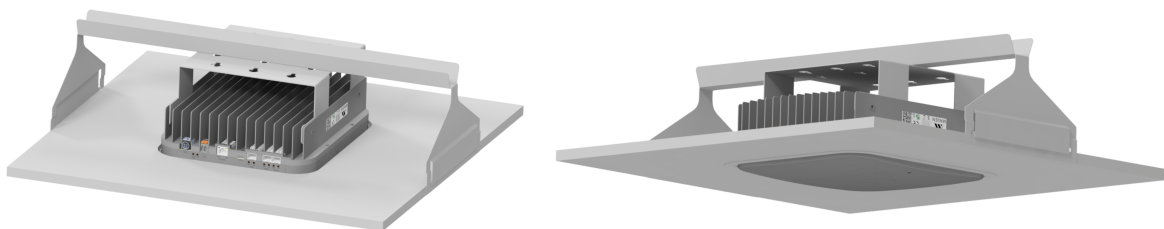
					5G, NR
1800	1710 – 1785	1805 – 1880	75 MHz	+ 20 dBm	GSM(**), WCDMA, LTE, 5G NR
2100	1920 – 1980	2110 – 2170	60 MHz	+ 20 dBm	WCDMA, LTE, 5G NR
2600	2500 – 2570	2620 – 2690	70 MHz	+ 20 dBm	LTE, 5G NR
2300 TDD	2300 – 2400	2300 – 2400	100 MHz	+ 20 dBm	LTE, 5G NR
2600 TDD	2496-2690	2496-2690	100 MHz	+ 20 dBm	LTE, 5G NR
C-Band	3400 - 3800	3400 - 3800	400 MHz	+ 23 dBm	5G NR
n78	3300 – 3800	3300 – 3800	500 MHz	+ 23 dBm	5G NR

Mechanical

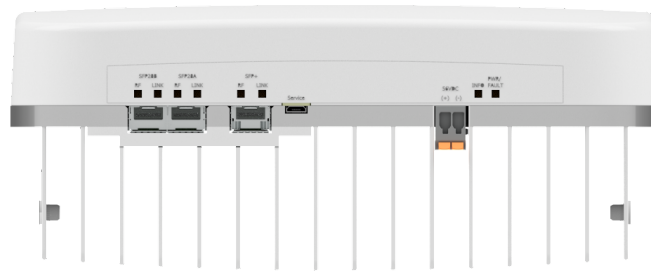
Dimensions (Height, width, depth) (102 unmounted, 148 mounted) x 246 x 285 mm

Weight 5 kg

Colour RAL 9016 Matt



The nimbus can be either wall mounted, or ceiling mounted (above pictures). It can also be mounted above the ceiling tile.



Product specification

Helix Distribution Unit



General

Power supply options	85 – 264 VAC, redundant, Hot swappable optional -72 – -36 VDC, redundant, Hot swappable
Power consumption	180 W max fully loaded
Management	Ethernet 10/100/1000 Micro USB Standard USB accessory connector Summary alarm output (NC/NO)
Operating temperature	+5 to +45 °C
Digital input/output	2x QSFP+
Digital out to remotes	16 SFP+ or 8x SFP28

Mechanical

Dimensions (height, width, depth)	43 x 436 x 350 mm in standard 19" rack format
Weight	< 5 kg

Product specification

Nimbus Power Distribution Unit (NPDU)



General

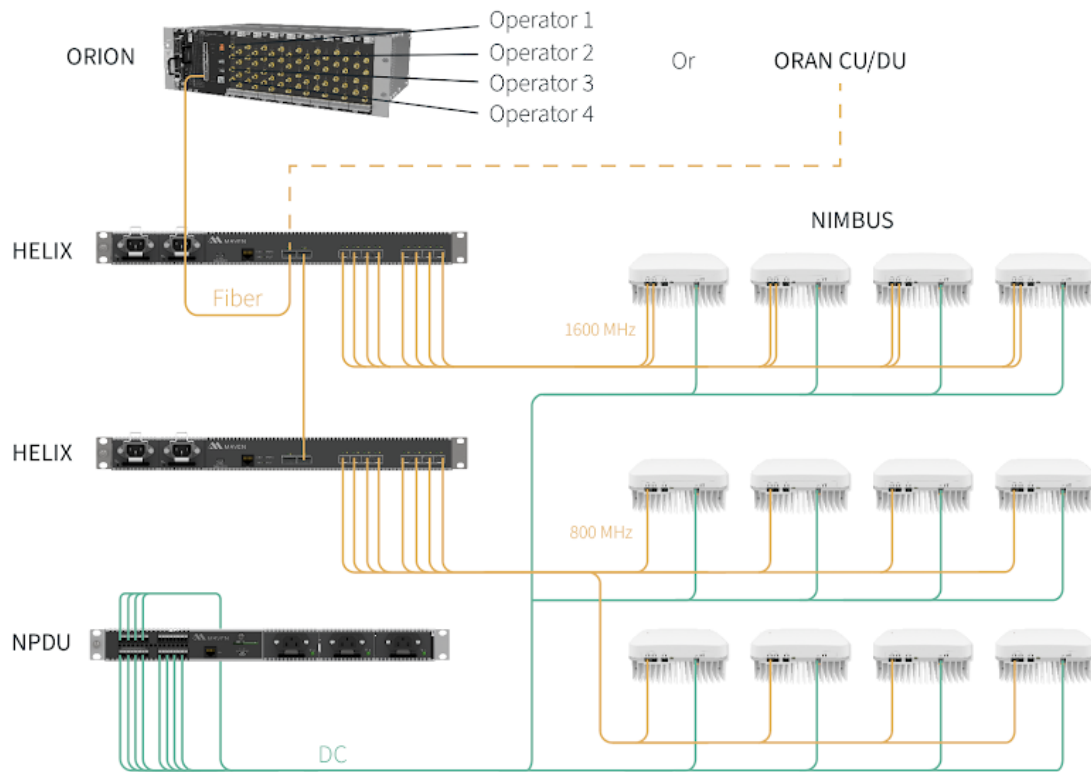
Power supply options	85 – 264 VAC, redundant, Hot swappable optional -72 – -36 VDC
Power consumption	1500 W max fully loaded
Management	Ethernet 10/100/1000 Micro USB
Operating temperature	+5 to +45 °C
DC Supply	16 ports DC IEEE 802bt type 4 class 8 standard over 2-wire (max 90 W)

Mechanical

Dimensions (height, width, depth)	43 x 436 x 350 mm in standard 19" rack format
Weight	< 5 kg

Standards & approvals

EMC & safety	Low voltage directive 73/23/EEC
EMC directive 2004/108/EC	RED directive 2014/53/EU



Note: All parameters are subject to change.