

# Maven digital DAS EMEA-APAC

## Nimbus quad band low power

Datasheet version 3.2

**Outstanding  
Performance**

**End to end  
Digital platform**

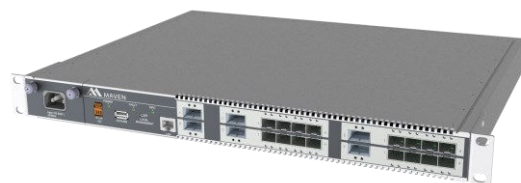
**Always  
Future-proof**

**Overall  
Cost efficiency**

**More  
Sustainable**

Maven Wireless offers new solutions for wireless coverage in all parts of the world. Our products are end to end digital and future-proof, comes with the best performance and cost efficiency you can find. We also have high marks on sustainability and a burning passion for making our customers and end-users life safer, better and easier by securing 100% wireless coverage.

**Nimbus remote unit  
Helix distribution unit  
Nimbus power distribution unit**



## Nimbus specification



### 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

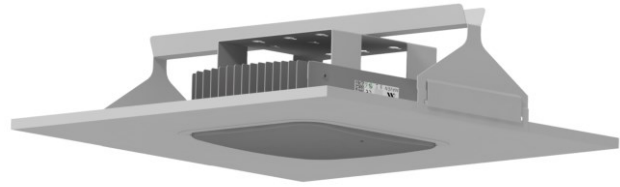
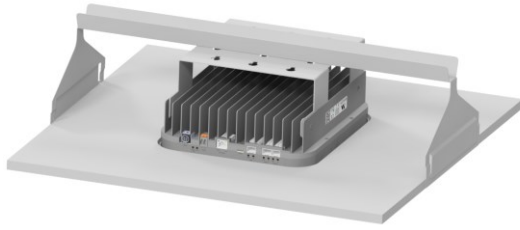
### RF parameters

Output power	+23 dBm per band
Noise figure	6 dB typical at max gain
Return loss	> 14 dB
System impedance	50 Ω
Maximum input power	+17 dBm, non destructive *

Band	Uplink	Downlink	Operation bandwidth	Composite output power	Technologies
700	703 – 748	758 – 803	45 MHz	+ 23 dBm	LTE, 5G NR
800	832 – 862	791 – 821	30 MHz	+ 23 dBm	LTE, 5G NR
900	880 – 915	925 - 960	35 MHz	+ 23 dBm	GSM(**), WCDMA, LTE, 5G NR
1800	1710 – 1785	1805 – 1880	75 MHz	+ 23 dBm	GSM(**), WCDMA, LTE, 5G NR
2100	1920 – 1980	2110 – 2170	60 MHz	+ 23 dBm	WCDMA, LTE, 5G NR
2600	2500 – 2570	2620 – 2690	70 MHz	+ 23 dBm	LTE, 5G NR
2300 TDD	2300 – 2400		100 MHz	+ 23 dBm	LTE, 5G NR
2600 TDD	2500 - 2700		100 MHz	+ 23 dBm	LTE, 5G NR
C-Band	3400 - 3800		400 MHz	+ 23 dBm	5G NR
n78	3300 – 3800		500 MHz	+23 dBm	5G NR

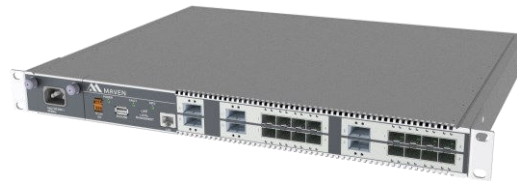
### Mechanical

Dimensions (height, width, depth)	(102 unmounted, 148 mounted) x 246 x 285 mm
Weight	max 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.

## Helix specification



### 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

## 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

### Helix 16x SFP+



### Helix 8x SFP28



### Nimbus Power Distribution Unit\*



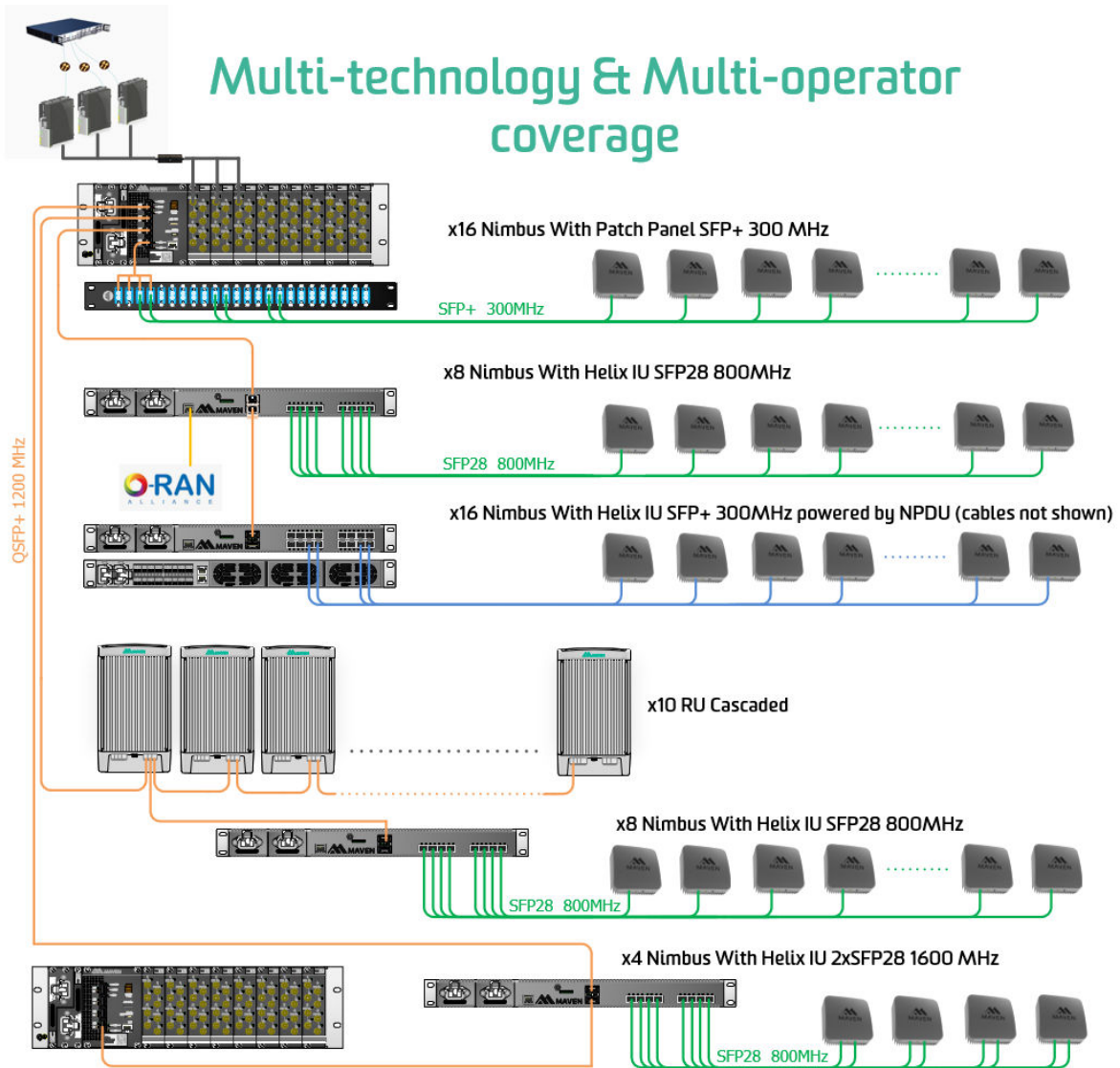
Only VAC models depicted above, VDC interfaces also available.

\*Can also be integrated into the helix SFP+ or SFP28 unit.

### Standards & approvals

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

## Multi-technology & Multi-operator coverage



Various frequency combinations in the same enclosure are available. Contact Maven Wireless for more information. All parameters are subject to change.