

Maven digital DAS EMEA-APAC

Cirrus off air master

Datasheet version 2.3

**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.

Cirrus digital off air master head end unit



Cirrus specification

General

Mains power	85 – 264 VAC, optionally -72 – -36 VDC
Power consumption	200 W fully loaded*
Management	Ethernet 10/100/1000, micro USB, USB accessory connector
Remote Access	Optional 4G modem
Operating temperature	-25 to +55 °C
Ingress protection	IP66
RF interface	Up to 6 bands in one enclosure
Antenna port	4.3-10 or 7/16 optional
System Gain	60 to 90 dB in 0.1 dB steps
Gain flatness	1 dB pp
Noise figure	< 3 dB at max gain

RF Parameters

UL Output power	+30 dBm per band
RF input range	+17 dBm, non destructive

Digital Interface

CPRI ports	3 x QSFP+ and 4 x SFP+														
Spectrum bandwidth	Up to 1200 MHz RF spectrum per QSFP+ or 300MHz per SFP+ link														
Single mode fibre	Up to 40 km distance														
Multi mode fibre	Up to 300 m distance														
Frequencies *	<table><thead><tr><th>Uplink</th><th>Downlink</th></tr></thead><tbody><tr><td>703 – 748 MHz</td><td>758 – 803 MHz</td></tr><tr><td>832 – 862 MHz</td><td>791 – 821 MHz</td></tr><tr><td>880 – 915 MHz</td><td>925 - 960 MHz</td></tr><tr><td>1710 – 1785 MHz</td><td>1805 – 1880 MHz</td></tr><tr><td>1920 – 1980 MHz</td><td>2110 – 2170 MHz</td></tr><tr><td>2500 – 2570 MHz</td><td>2620 – 2690</td></tr></tbody></table>	Uplink	Downlink	703 – 748 MHz	758 – 803 MHz	832 – 862 MHz	791 – 821 MHz	880 – 915 MHz	925 - 960 MHz	1710 – 1785 MHz	1805 – 1880 MHz	1920 – 1980 MHz	2110 – 2170 MHz	2500 – 2570 MHz	2620 – 2690
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Mechanical

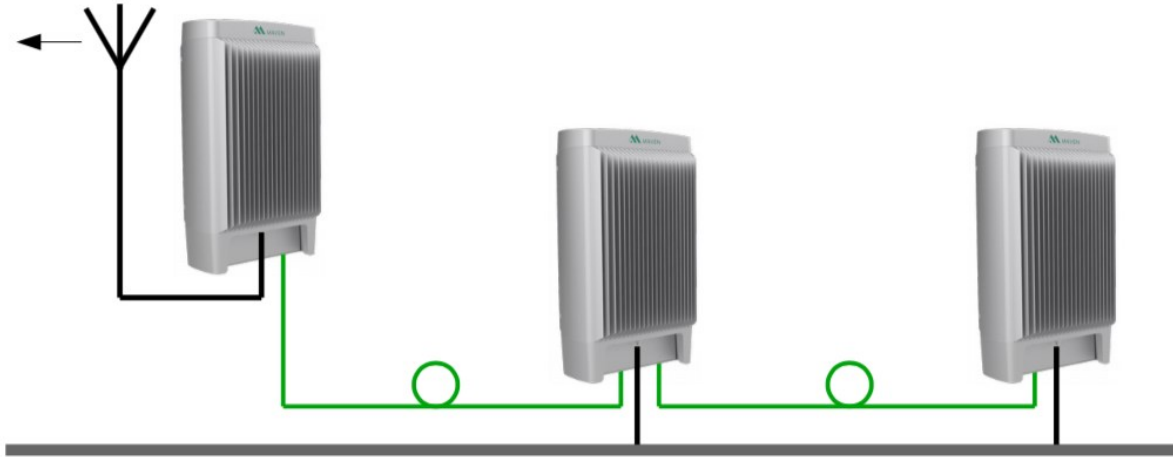
Dimensions (height, width, depth)	670 x 383 x 270 mm
Weight	max 25 kg

Standard & Approvals

EMC & safety	Low voltage directive 73/23/EEC
EMC directive 2004/108/EC	R&TTE directive 1999/5/EC

*Thermal dissipation +/- 15 %

System Diagram



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