

Maven digital DAS EMEA-APAC

Cirrus off air master for Critical Comms

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 for critical communications and public safety



Cirrus specification

General

Mains power	85 – 264 VAC, -72 – -36 VDC optional
Power consumption	200 W fully loaded*
Management	Ethernet 10/100/1000, micro USB, USB accessory connector
Remote Access	Optional 4G modem (separate antenna port SMA-F connector)
Operating temperature	-25 to +55 °C
Ingress protection	IP66
RF interface	Up to 2 bands in one enclosure Possible to combine with cellular
Antenna port	4.3-10 or 7/16 optional
System Gain	50 to 80 dB in 0.1 dB steps
Gain flatness	1 dB pp
Noise figure	3 dB typical at max gain

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

RF Parameters

UL Output power	+30 dBm per band										
RF input range	+17 dBm, non destructive										
Frequencies ***	<table><thead><tr><th>Uplink (MHz)</th><th>Downlink (MHz)</th></tr></thead><tbody><tr><td>380-470</td><td>380-470</td></tr><tr><td>Other UHF on request *</td><td>Other UHF on request *</td></tr><tr><td>Band 28</td><td>Band 28</td></tr><tr><td>806-824 **</td><td>851-869 **</td></tr></tbody></table>	Uplink (MHz)	Downlink (MHz)	380-470	380-470	Other UHF on request *	Other UHF on request *	Band 28	Band 28	806-824 **	851-869 **
Uplink (MHz)	Downlink (MHz)										
380-470	380-470										
Other UHF on request *	Other UHF on request *										
Band 28	Band 28										
806-824 **	851-869 **										

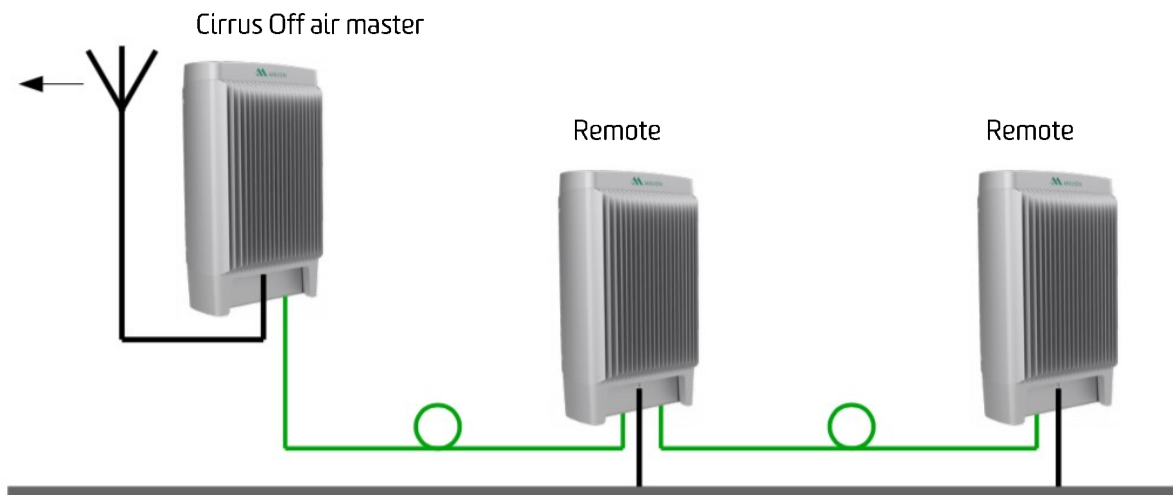
Mechanical

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 %



*) DQPSK Typically 5MHz with 10 MHz duplex spacing.

***) Typical for legacy TETRA 800 systems using DQPSK

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

Note: All parameters are subject to change.