Maven Digital PS DAS EMEA-APAC

Cirrus Off Air Master for Critical Comms

Data sheet version 2.6

1. **Macro Fed DAS**
No need for dedicated base station

2. **Future-proof Digital Platform**
Add services (such as PS LTE) and coverage 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.

![Maven Wireless logo]

Product specification

Cirrus

General

Mains power	85 - 265 VAC optionally -72 - - 36 VDC
Power consumption	200 W
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

RF Parameters

UL output power	+30 dBm per band	
RF input range	+17 dBm, non destructive	
Frequencies	**Uplink (MHz)**	**Downlink (MHz)**
	380-470	380-470
	Other UHF on request[1]	Other UHF on request
	Band 28	Band 28
	451-456	461-466[4]
	806-824[3]	806-82

Mechanical

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

Standards & Approvals

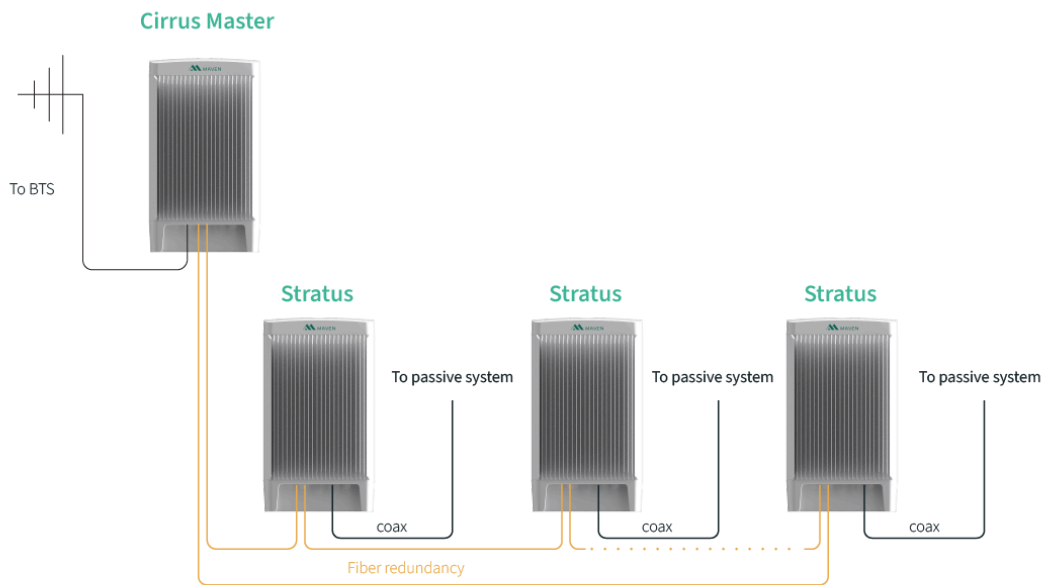|	
EMC & safety	Low voltage directive 73/23/EEC
EMC directive 2004/108/EC	R&TTE directive 1999/5/EC

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[1] DQPSK Typically 5MHz with 10 MHz duplex spacing.
[2] Ignore
[3] Typical for legacy TETRA 800 systems using DQPSK
[4] PS LTE Band 72

System Architecture

Cirrus Master

To BTS

Stratus

To passive system

coax

Stratus

To passive system

coax

Stratus

To passive system

coax

Fiber redundancy

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

Note: All parameters are subject to change.