Maven DAS EMEA-APAC Cirrus Off Air Master



Datasheet version 1.4

System Features

- Fully digital end-to-end DAS system
- Fanless IP65 rated master & remote units
- Highly efficient, reducing cost and emissions
- Up to 6 bands in each off air master unit

- 5G-ready system
- Cascadable units
- Excellent PIM and noise performance
- System auto-commissioning
- Redundant system with automatic fail over



Maven DAS is a highly capable all-digital cellular DAS platform supporting multi-operator, multi-band installations for all EMEA bands. The system consists of Stratus high-power or Cumulus medium power remotes, connected to the Off Air Master unit which picks up signals from the macro network which are fed into digital CPRI feeding the remotes. The off air master is also fanless and implements up to 6 RF bands in one enclosure.

The digital fibre interface connects with QSFP+ modules which each can carry up to 1200 MHz of RF spectrum, enabling spare bandwidth for future spectrum allocations such as 5G. The system supports various topologies for flexibility and redundancy such as star and ring topologies. The units can be cascaded flexibly. Both single mode and multi mode fibre can be used. Units can also be connected using SFP+ connections, for example to give local connections for MIMO support.

Installation of the Maven DAS is quick thanks to few components, and also since the units are a one man lift. The system has auto-commissioning functionality which brings the system up and running quickly.

The secure web interface is intuitive and easy to use, making it useful for any level of technician. The equipment can be accessed from a laptop or a tablet. The standardised supervision interface can be connected to any standard NMS using SNMP v2c or v3. The units provide a dry-contact relay output for alarm status.

0	rd	er	ing	Info	rmat	ion

Item	Description	Part Number
Cirrus HB 7/8/9/18/21/26 AC	Off air master 7/8/9/18/21/26 AC	MAN00001
Cirrus TB 18/21/26 AC	Off air master 18/21/26 AC	MAN00002
Cirrus TB 7/8/9 AC	Off air master 7/8/9 AC	MAN00003
Cirrus DB 8/9 AC	Off air master 8/9 AC	MAN00005
Cirrus QB 8/9/18/21	Off air master 8/9/18/21 AC	MAN00006
Cirrus TB 8/9/18	Off air master 8/9/18 AC	MAN00009

Cirrus Off Air Master Specification



General

Mains power Power consumption Management Remote Access Operating temperature Ingress protection RF interface Antenna port System Gain Gain flatness Digital Interface	85 – 264 VAC, -48 VDC og 200 W max fully loaded Ethernet 10/100/1000, r Optional cellular modem -25 to +55 °C IP65 Up to 6 bands in one encl 4.3-10 or 7/16 optional 60 to 90 dB in 0.1 dB step 1 dB pp	ptional nicro USB, Standard USB ac osure os	cessory connector	
CPRI ports Spectrum bandwidth Single mode fibre Multi mode fibre RF Parameters	3 x QSFP+ and 4 x SFP+ Up to 1200 MHz RF spectrum per QSFP+ or 300MHz per SFP+ link Up to 40 km distance Up to 300 m distance			
Output power	+17 OBM, NON DESTRUCTIVE	Poweliek (DL)	Tachaologias	
Rr uiput lange				
Frequencies	7U3 - 733 /WHZ	758 - 788 MHZ		
		2110 - 2170 MHz		
	2500 - 2570 MHz	2620 - 2690 MHz		
+30 dBm ner hand	2500 2570 74112	2020 2090 / 112		
Mechanical				
Dimensions (height, width, depth) Weight	670 x 383 x 270 mm max 25 kg			
Standard & Approvals				
FMC & safetu	FMC directive 2004/108/FC			
····	Low voltage directive 73/23/EEC			
	RED directive 2014/53/EU			
Dimensions (height, width, depth) Weight Standard & Approvals EMC & safety	670 x 383 x 270 mm max 25 kg EMC directive 2004/108 Low voltage directive 73/ RED directive 2014/53/E	/EC /23/EEC :U		