

Maven digital repeater PS EMEA-APAC Exo repeater 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.

**Exo high power digital repeater for
critical communications and public
safety**



Exo off air repeater specification

General

Mains power	85 – 264 VAC, -48 VDC optional
Power consumption	200 W max 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 2 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

DL Output power	+40 dBm per band
UL Output power	+30 dBm per band
RF input range	+17 dBm, non-destructive

Frequencies

Band	Uplink (MHz)	Downlink (MHz)	Operation bandwidth	Composite output power	Technologies
400	380-470	380-470	5 MHz	+ 40 dBm	TETRA TMO
400	Other frequencies available on request		5 MHz *	+ 40 dBm	TETRA TMO

* DQPSK Typically 5 MHz BW with 10 MHz duplex spacing, normally DL 10 MHz above UL. For D-BOS 6.5 MHz passband available.

Available Filters / Channels

Channel selective	Max 64 various bandwidths
Sub-band selective	Max 32 various bandwidths 0-5 MHz / 6.5 for D-BOS
Band Selective	5.5 MHz or 6.5 MHz for D-BOS

Mechanical

Dimensions (height, width, depth) 670 x 383 x 270 mm

Weight max 23 kg

Standard & Approvals

EMC & safety Low voltage directive 73/23/EEC

EMC directive 2004/108/EC R&TTE directive 1999/5/EC

Ordering Information

EXO +40 dBm digital repeater*

Part number	Description
RAH00015	Exo PS off air 380-385/390-395 +40 dBm 230 VAC
RAH00016	Exo PS off air 400-405/410-415 +40 dBm 230 VAC
RAH00017	Exo PS off air 380-386,5/390-396,5 +40 dBm 230 VAC
RAH00023	Exo PS off air 410-415/420-425 MHz +40 dBm 230 VAC

*) Other frequency combinations available on request.

Note: All parameters are subject to change