

# Maven digital repeater PS EMEA-APAC Exo repeater for Critical Comms

Datasheet version 2.7

**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, -72 – -36 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	+40 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

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## Mechanical

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Dimensions (height, width, depth)	670 x 383 x 270 mm
Weight	max 23 kg

## Standard & Approvals

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

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