

Radio communication specialists

Maxon PM100/160 mobile

- Rugged cast aluminium construction
- Channel scanning with lookback
- Tested to military standards
- PC programmable
- Easy installation

With the Maxon guarantee of quality, performance and reliability.

The PM100 is an easy-to-use, reliable, multi-channel mobile with a high specification at an affordable price – delivering effective fleet management with low running costs.

Ideal for a mobile workforce, the PM100 makes it easy to manage multiple users effectively.

The robust cast aluminium construction and front panel speaker meet the demanding MIL STD 810 standard. The PM100 is quick and easy to install, low maintenance and designed to give years of trouble-free service.

The **PM100** 4-channel mobile has the option of a data board upgrade, giving an even more effective communication system and the flexibility to adapt to user requirements.

The **PM160** 99-channel mobile offers all the features of the PM100, with the added option of a security upgrade, with selective calling and an inversion scrambler to ensure privacy against unauthorised users.

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Maxon PM100/160 mobile

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Technical specifications



GENERAL

Performance Specifications

Band

Number of Channels

Channel Spacing

Operation

Tone Sets

Power Supply

Current Consumption

Weight

Physical Dimensions

RF Output Power

Receiver Sensitivity

Audio Power Output

ENVIRONMENTAL

Operating Temperature

range

Robustness

Protection against ingress of dust and water

EMC

Safety

Automotive Approval

Humidity

CE 0168 ⓘ

R&TTE Directive 1999/5/EC

RF: ETSI EN 300 086, EN 300 219,

EN 300 113

PM100

PM160

VHF: 136-162MHz

VHF: 148-174MHz

VHF: 148-174MHz

UHF: 440-470MHz

UHF: 400-440MHz

UHF: 420-450MHz

UHF: 440-470MHz

Full Band switching

PM100 - 4

PM160 - 99

12.5KHz

20KHz

25KHz

Programmable/per channel

Half Duplex

CTCSS/DCS

13.2V dc nominal

OFF < 10mA

< 160mA Standby (muted)

with battery save ON

< 1.6A Transmit @ 1W RF Output

< 6.5A Transmit @ 25W RF Output

1300g

58mm x 174mm x 167mm (H x W x D)

1 - 25W (Programmable hi/low)

UHF: Better than -117dBm

VHF: Better than -118dBm

500mW min (8 Ohm external speaker)

< 10% THD @ 1W, 4 Ohm internal speaker

+10 deg C to +35 deg C (normal)

-30 deg C to +60 deg C (extreme)

Designed to Mil Std 810 C procedures I, II
& V, D & E

IEC 529 IP54

EMC Directive 89/336/EEC, ETSI EN 301 489

EN60950, LVD 73/23/EC

95/54/EC, e11 02 0856

EIA/TIA 603 (95%)

Accessories:

Additional accessories are also available; please contact us for details of the full range.

Power:



MS2600-3/2

Audio:



MB4000



MA4472

Chargers:



CA4544



HFK100-01



FSXX-01



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Figures above are typical and measured under normal operating conditions. As such they will not form part of any contract. Our policy is one of continuous improvement and we reserve the right to change product specifications without notice.