**TECHNICAL SPECIFICATIONS**

**FREQUENCY RANGE**
- Tx: 1.6 to 30MHz
- Rx: 250kHz to 30MHz

**POWER OUTPUT**
- 30 W RF± 1dB (two-tone or voice), user-programmable in 1W steps (low/medium/high)

**CHANNELS**
- Up to 3000 entries

**CONTACTS**
- Up to 500 entries

**RF NETWORKS**
- Up to 30 networks (simultaneous scanning)

**COMMUNICATION SUPPORT**
- English, Spanish, Russian, Chinese, Arabic, Dari, Pashto and Portuguese

**WAVEFORMS**
- Digital voice (MELPe/TWELP)
- Selcall
- FED-STD-1045; MIL-STD-188-141B; STANAG 4538
- 3G ALE
- MIL-STD-188-110A/B (STANAG 4539) data
- ECCM

**ENCRYPTION**
- CES-128 voice and AES-256 digital voice and data

**SIZE**
- 284mm (without handles, 324 with handles) x 246 mm x 96 mm (L x W x H) including battery compartment

**WEIGHT**
- Less than 5 kg including battery

**TEMPERATURE RANGE**
- Operational at –30 to +60°C; 95% RH maximum, non-condensing

**ENVIRONMENTAL STANDARDS**

**CONFIGURATIONS**

The Sentry-H 6110-MP radio is fully customisable to your specific mission requirements with software enabled capabilities and a wide range of peripherals and accessories.

**CONTACT US**

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**MANPACK SENTRY-H 6110-MP**

**SOLVING CHALLENGING REQUIREMENTS IS WHAT WE DO BEST**

**OUR PROCESS**

Solving challenging requirements is what we do best!

**ASSESS**
- Our technical consultants will conduct a detailed on-the-ground assessment of:
  - Human needs
  - Operational environment
  - Opportunities and challenges
  - Cultural context
  - Scenario planning

**DESIGN**
- Our field service team will then design a custom solution for those challenges, using the right hardware and software from Codan or one of our technology partners.

**DEPLOY**
- Our specialist logistics team gets the hardware and the resources to wherever you are, getting your system up and running fast.

**TRAIN**
- We’ll train operations and communications staff on how to use the system — which will be a short process, thanks to our easy-to-use interfaces and interoperability.

**SUPPORT**
- We’re available to be deployed within 24 hours for any support required. And we’re always on hand for any advice you require.
Codan's Sentry-H 6110-MP delivers a rugged man-portable Software Defined Radio (SDR) solution for military organisations that demand uncompromised, secure voice and data communications, while on the move.

**CHALLENGING REQUIREMENTS?**

**NO PROBLEM**

**POWER SOLUTIONS**

**BATTERIES**

The 6110-MP is designed to operate from standard military off-the-shelf DB-2590 style batteries, capitalizing on latest technology advances and supply flexibility.

**CHARGERS**

A range of battery charging accessories are available from Codan, designed to allow those that use operate AC mains, DC and solar power sources.

The military standard battery compatibility of the 610-MP provides an added advantage of using standard HF chargers and being able to use the wide range of MOTS charging accessories that are now available.

**DATA**

**EMAIL/FILE**

Codan offers various solutions for email and file transfer for both HF and web based communications.

**CHAT**

Codan chat software enables users within a HF, or external network to communicate via chat.

**SMS**

Send and receive SMS messages on your HF radio to/from any cellular phone.

**INTERNET PROTOCOL**

Control and communicate through your 610-MP radio using remote solutions through the internet, even if the transistor is on the other side of the world.

**REMOTE CONTROL POINT**

Control the 6110-MP through a PC or laptop via the Virtual Control Point, a digital replica of your front panel that emulates similar functionality.

**INTELLIGENT PERFORMANCE**

Codan 6110-MP’s internal SDR architecture comprises the latest-generation high performance Digital Signal Processor (DSP), Field Programmable Gate Array (FPGA), and system on chip (SoC) technology devices, it provides exceptional performance, and future upgradability via IP connectivity over Ethernet/Wi-Fi and USB.

**SECURE COMMUNICATION**

The 610-MP ensures your information and team remains safe and secure through use of AES-256 bit encryption applied to data transfer, digital voice and 3G ALE. An option for internal frequency hopping is provided to protect against signal eavesdropping and monitoring and keep your intel safe.

**SUBWAVE**

Codan knows that when lives are on the line, operation of the radio must be second nature. The 610-MP provides an intuitive user interface that can be switched into various languages for fast and instinctive control.

**WARRANTY AND WORLDWIDE SUPPORT**

Codan products are backed by an extensive distribution and support network, and include a three year extendable warranty.

**HANDSETS**

**2320 HANDSET**

The 2320 smart handset enables remote operation of the manpack, with all the capability of the front panel in the palm of your hand.

**H-250 AUDIO**

A comprehensive range of H-250 compatible audio accessories are available including; handsets, headsets.

**VIRTUAL CONTROL POINT**

Control the 6110-MP radio through a PC via the Virtual Control Point, a digital replica of your front panel that emulates similar functionality.

**RTS**

Codan’s Remote Tracking Software provides an effective means to locate, track and manage remote assets with no on-going subscription fees.

**BACKPACK**

The 610-MP backpack is designed for strong and stable load carriage, with a fully adjustable harness system, maximizing comfort regardless of task.

**ANTENNAS & MASTS**

**WHIPS**

For tactical, on the move or temporary hand communications, a range of retractable tuned whip antennas are available. The whip antenna on a vehicle is an antenna to suit.

**BROADBAND**

A range of tactical broadband antenna solutions are available to support different mission requirements. From compact tuned long wire arrays to larger, more efficient and powerful arrays, there is an antenna to suit.

**ASSET MANAGEMENT AND TRACKING**

**BATTERIES**

The 610-MP packs a full 30W RF power output in a high efficiency SDR platform that can deliver up to 55 hours of battery run time. With extremely clean transmit signal and industry leading receiver performance, the 610-MP provides exceptional HF communications clarity.

**COMPACT AND LIGHTWEIGHT**

Codan’s Digital Voice technology provides significantly reduced hiss, crackle, pops, and multipath effects typical of HF, working voice quality similar to modern cellular phones.

**STATUS**

Codan knows that in the military, where lives are on the line, operation of the radio must be second nature. The 610-MP provides an intuitive user interface that can be switched into various languages for fast and instinctive control.

**HIGH POWER**

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**EXCEPTIONAL DIGITAL AND ANALOGUE VOICE CLARITY**

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