**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 1000 entries

**CONTACTS**
- Up to 500 entries

**RF NETWORKS**
- Up to 20 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.

**SUPPORT**

We’re available to be deployed within 24 hours for any support required. And we’ll always be on hand for any advice you require.

**CONTACT US**

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US: +1 571 919 6432
UAE: +971 44 53 72 01

**MANPACK SENTRY-H 6110-MP**

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 operators 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'll keep you updated on the system’s progress and trouble-shooting.
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**

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

**POWER SOLUTIONS**

**HIGH POWER**
The 6110-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 6110-MP provides exceptional HF communications clarity.

**CHARGERS**
A range of battery charging accessories are available from Codan, including those that can operate AC mains, DC and solar power sources.

**SECURE COMMUNICATION**
The military standard battery compatibility of the 6110-MP provides an added advantage of being able to use the wide range of MOTS charging accessories that are now available.

**CHALLENGING REQUIREMENTS? NO PROBLEM**

**COMPACT AND LIGHTWEIGHT**
The 6110-MP sets a new standard for size and weight for HF manpack radios with ruggedness and reliability as a focus. It weighs less than 5 kg including battery, with one of the smallest form factors available.

**EXCEPTIONAL DIGITAL AND ANALOGUE VOICE CLARITY**
Codan’s Digital Voice technology provides significantly reduced hiss, crackle, pops, and multipath effects typical of HF, enabling voice quality similar to modern cellular phones.

**INTELLIGENT PERFORMANCE**
Codan 6110-MP’s internal SDR architecture combines 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.

**REMOTE**
Codan knows that when lives are on the line, operation of the radio must be second nature. The 6110-MP provides an intuitive user interface that can be switched into various languages for fast and instinctive control.

**INTERNET PROTOCOL**
Control and communicate through your 6110-MP transceiver using remote solutions through the internet, even if the transceiver is on the other side of the world.

**SECURE COMMUNICATION**
The 6110-MP ensures your information and team remains safe and secure through use of AES-256 bit encryption applied to data transfers, digital voice and 3G ALE. An option for internal frequency hopping is provided in the software and firmware, which prevents third-party interference and monitoring and keeps your intel safe.

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

**BACKPACK**
The 6110-MP backpack is designed for strong and stable load carriage, with a fully adjustable harness system, maximizing comfort regardless of task.

**ASSET MANAGEMENT AND TRACKING**
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**WARRANTY AND WORLDWIDE SUPPORT**
Codan products are backed by an extensive distribution and support network, and include a three year extendable warranty.