TECHNICAL SPECIFICATIONS

FREQUENCY RANGE
Tx 1.6 to 30MHz
Rx 250kHz to 30MHz

POWER OUTPUT
Tx 150W PEP

CHANNELS
1000

CONTACTS
Up to 500 entries

HF NETWORKS
Up to 20 networks (simultaneously scanning)

LANGUAGE SUPPORT
English, Arabic, Dari, Pashto, Chinese, French, Portuguese, Russian, Spanish

NAVIGATOR
GPS-970-100J; JTC Certified; MIL-STD-188-141B; STANAG 4538 3G ALE

SPECTRUM
MIL-STD-188-110A/B (STANAG 4539) data

DESCRIPTION
CE-739 Class A and AS9 38 digital voice and data

SIZE
Standby 97 x 77 x 270mm (D x W x H)

WEIGHT
2.82kg

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

VOLTAGE RANGE
10 to 35 V DC

CURRENT DRAW
Tx 14A
Rx 650mA

ENVIRONMENTAL STANDARDS
MIL-STD-810G (Immersion, Shock, Drop, Vibration, Humidity, Blowing Dust, Salt Fog, Fungus, Contamination, Altitude)

CONFIGURATIONS
Versatile design for mobile and base systems
Codan’s Sentry-H 6120-BM base configuration delivers reliable and powerful communications over vast distances with power outputs from 150 to 1000 W. The ruggedized RF unit’s versatile design makes installation into permanent and temporary bases simple, and it operates from wide ranging DC and AC power sources. The range of control options for the 6120-BM includes a robust hand-held and indoor desk console.

When space is limited, the 6120-BM’s compact and highly integrated unit together with the robust handset makes mobile installation easy. It is engineered to provide 150 W of power, eliminating the need for an external power amplifier while ensuring that you get the best and most reliable communications.

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

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 interface 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.

CODANCOMMS.COM
BE HEARD
The Sentry-H 6120-BM is the most robust and affordable high-power radio we have ever built for voice and data communications, delivered in a small form-factor. It has been tested to a broad range of stringent environmental standards including MIL-STD-810G – to get the job done no matter where you operate. It has been designed with ruggedness and reliability as a focus. With 60 years of experience in the field, Codan knows that when lives are on the line, operation of the radio must be second nature. The 6120-BM provides an intuitive user interface that can be switched into various languages for fast and instinctive control.

**SECURE COMMUNICATION**
The 6120-BM assures your information and team remain 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 to prevent third party interference and monitoring and keep your radio secure.

**REMOTE**
Codan offers various solutions for email and file transfers for both HF and web based communications. Email/FTP is available, and a variety of MIME and MMS options are provided. Codan’s chat software, XTEND provides an internet radio to/from any cellular phone, enabling users within a HF and external network to communicate via chat.

**BROADBAND**
XTEND provides an internet control point. Functionalities include direct internet connectivity for voice and data, control the 6120-BM through a PC radio control point.

**MOBILE**
Codan’s 3031 XPATCH Crosspatch enables you to use a VHF/UHF radio and a 6120-BM Transceiver to switch between a HF and VHF/UHF network.

**POWER SOLUTIONS**
SOLAR charging solutions are available to maintain a supply battery for the Envoy HF radio and antennas.

**ASSIST MANAGEMENT AND TRACKING**
Codan’s Remote Tracking Software provides an effective real-time tools to locate, track and manage remote assets with no ongoing subscription fees.

**MOBILE**
Antennas designed for a wide range of vehicle types and applications.

**Masts**
Designed for tactical use where rapid deployment and ease of transportation is important.