TECHNICAL SPECIFICATIONS

**Configuration**

Versatile design for mobile, base and complex systems

Envoy is designed using a modular approach, with a handset for mobile applications and a desk console for bases. The use of IP over Ethernet enables geographical separation of radio and console, without the need for expensive adapter devices. Envoy is available in rapidly deployable cases.

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**Remote**

- **XTEND**
  - The Codan XTEND app allows you to operate your Envoy HF radio via your smartphone or tablet. Using the widespread familiarity of smartphone devices, XTEND provides an exceptionally easy-to-use alternative to a dedicated radios control point.
- **VIRTUAL CONTROL POINT**
  - Control the Envoy radio through a PC via the Virtual Control Point, a digital replica of an Envoy handheld that emulates similar functionality.
- **INTERNET PROTOCOL**
  - Control and communicate through your Envoy transceiver using remote solutions through the internet, even if the Envoy is on the other side of the world.

**Remote Management and Tracking**

- **RTS**
  - Codan’s Remote Tracking Software provides an effective means to locate, track and manage remote assets with no on-going subscription fees.
- **CONVOY**
  - An automatic antenna tuner development to interface directly with Codan’s 3001 and 3002 HF power amplifiers.

**Power Solutions**

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

**High Power Amplifiers**

- **3061 500W**
  - A reliable and affordable 500W high power solution for voice and data communication.
- **3062 1KW**
  - A reliable and affordable 1KW high power solution for voice and data communication.
- **3240 1KW**
  - A reliable and affordable 1KW high power solution for voice and data communication.

**Antennas**

- **MOBILE**
  - Antennas designed for a wide range of vehicle types and applications.
- **BROADBAND**
  - Full size base station antennas designed to suit a wide range of HF communications requirements and installation scenarios.
- **TUNED**
  - A range of tuned antenna solutions that are suitable for installations with limited space.

**Gateways**

- **3033 TI**
  - Codan’s Telephone Interface equipment enabling you to make or receive telephone calls on your HF transceiver.
- **2240 SMARTLINK**
  - Smartphone provides the ability to support multiple access points from a single Envoy HF radio and provides an in-built 802.11 wireless access point and two-wired Ethernet ports for connectivity.
- **3031 XPATCH**
  - Codan’s X-Dispatch enables you to carry ‘HF’ and ‘UHF’ in your hands with a single Envoy radio. This Envoy TRX extends a UHF and HF/VHF UHF network.

**Data**

- **EMAIL/FILE**
  - Codan offers various solutions for email and file transfer for both HF and web based communications.
- **CHAT**
  - Codan’s 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.

**Warranty and Worldwide Support**

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

**Power Solutions**

- **WARRANTY AND WORLDWIDE SUPPORT**
  - Codan’s Digital Voice technology provides significantly reduced hiss, crackle, pops, and multiple effects typical of HF. Making voice quality similar to modern cellular phones with continued operation in degraded and fading channels.

**Unparalleled Performance**

- **SOFTWARE-DEFINED ARCHITECTURE**
  - Built upon a proven SDR platform with system on chip (SoC) technology. Field-Programmable Gate Array (FPGA) and performance Digital Signal Processor (DSP), Envoy uses the latest-generation high-performance Digital Signal Receiver (DSR) Field-Programmable Gate Array (FPGA) and system on chip (SoC) technology.

**Exceptional Digital and Analogue Voice Clarity**

- **GPS SUPPORT**
  - Supporting connection to GPS via NMEA0183 competition GPS receivers, the Envoy is capable of sending GPS position and calculating distance and bearing. Combined with Codan’s mapping software, the feature also enables position tracking of deployed vehicles and people planning with pre-programmed waypoints.

**Intuitive Operation**

- **ENCRYPTED COMMUNICATION**
  - Envoy has a choice of encryption options to suit the required level of communications security. Ranging from basic voice security to “top secret” classification, all voice encryption options for Envoy activate by a single “call” button. Envoy HF radio and antennas.

**Challenging Requirements? No Problem**