

MICOM Pathfinder

25 Watt HF - SSB TRANSCEIVER

Reliable radio communications for the most demanding on-foot operations





25 Watt HF - SSB TRANSCEIVER 1.6 - 30 MHz

The Micom Pathfinder HF-SSB transceiver provides reliable long-range radio communications in a rugged and durable backpack configuration built to withstand severe shock, vibration and extreme weather conditions. The lightweight Homeland Security version of the Micom Pathfinder makes it especially suitable for users who carry out on-foot field operations.

The Micom Pathfinder backpack is equipped with a military-type handset and connectors, delivering superior qualities and performance in a cost-effective package priced to fit the needs of a wide range of organizations. Certified for dependability and durability, the Micom Pathfinder complies with US MIL-STD 810 and JITC-approved ALE per MIL-STD-188-141B standards

The MicomPathfinder provides users with the following benefits and features

Fast and simple link establishment

- Automatic Link Establishment per MIL-STD-188-141B standard.
- JITC-approved, full interoperability with other manufacturers' radios complying with the same ALE standards.
- QuickNet – Adaptive Multiple Networking expands the available Capabilities of the standard net-based ALE mode. Increased net size Up to 1000 stations and easy "phone book" style calling

Voice that's loud & clear

- Built-in voice quality system utilizes proprietary algorithms to filter out background noises, giving users exceptional communication clarity.
- Selectable bandwidth allows fine tuning for optimal voice communications.

- Unmatched combination of 25 Watt PEP/AVG and high sensitivity (0.3 μ V) for outstanding communication coverage.
- Voice-activated digital squelch. User-friendliness
- Large digital front panel display and keyboard for programming and set-up. Multiple language display available. Years of trouble-free, most advanced communications
- Upgrading to future technologies is easily done by installing new software into the transceiver's DSP unit.
- Easily replaceable digital components ensure cost-effective maintenance and low MTTR.
- Efficient stock management due to small number of modules.
- High MTBF, as with all Micom radios.
- Unique Built-In self Test system provides exceptional dependability.

Unmatched Performance



Comprehensive communication and networking services

- 25W PEP/AVG output power enables stable voice communications and data applications.
- MultiNet integration of parallel HF radio networks into one seamless network, allowing coordination between different operational networks.
- AMD (SMS-like text messages) for pre-set or operator-defined text messages.
- Internal GPS for positional data and AVL applications.
- Internal Modem/Vocoder option for data applications, improved communications over weak channels and secure/AES encrypted communications (optional) A proven family of radio products
- The Micom Pathfinder is member of the Micom transceiver family - fixed and mobile stations - covering the long-range wireless communication needs of thousands of organizations worldwide.

Major accessories:

- AC battery charger
- Collapsible whip antenna
- Fast deployment wideband antenna
- Tactical long wire antenna
- Tactical dipole antenna
- Military type audio accessories

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General Specifications

- Frequency range: 1.6–30 MHz
- JITC-approved embedded ALE per MIL-STD-188-141B
- Multinet operation (for ALE)
- 200 preset channels, Simplex or Half duplex
- Up to 1000 ALE net based channels
- Built-in Automatic antenna tuner
- Transmission: 25W PEP/AVG
- Reception: 100 KHz–30 MHz Rx
- Standby time: 15hrs
- Audio bandwidth: 350 to 2700 Hz
- Frequency stability: 0.6 PPM
- Frequency resolution: 10 Hz
- Operating temperature range:
 - -30°C to +60°C/-22°F to +140°F
- Shock and vibration: 810F + E
- Immersion: 1 meter of water for one hour

Dimensions

- Dimensions H X W X D: 110 x 222 x 220mm
- Weight: 3.6 Kg (Without battery)

Options

- PC Control and programming kit
- 0.1 PPM high frequency stability
- Internal Vocoder voice enhancement
- Digital AES Vocoder Encryption (NIST-certified)
- Internal Modem with optional AES encryption



Elbit Systems Land and C4I Ltd.
2 Ha'machshev St. Netanya 42507, Israel
E-mail: landc4i@elbitsystems.com www.elbitsystems.com/landc4i