25 Watt HF-SSB TRANSCEIVER

Reliable radio communications
for the most demanding
on-foot operations
The MicomPathfinder 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, The Pathfinder, makes it especially suitable for users who carry out on-foot field operations.

The MicomPathfinder 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 MicomPathfinder complies with US MIL-STD 810 and JITC-approved ALE per MIL-STD-188-141B standard.

The MicomPathfinder provides users with the following benefits and features

**Fast and simple link establishment**
- Automatic Link Establishment per MIL-STD-188-141B standard.
- ISB-ready (Independent Side Band) (optional)
- JITC-approved, full interoperability with other manufacturers’ radios complying with the same ALE standards.

**Voice that’s loud & clear**
- Built-in voice quality system utilizes proprietary algorithms to filter out background noises, giving users exceptional communication clarity.
- Auto Selectable bandwidth allows fine tuning for optimal voice communications.
- Unmatched combination of 25 Watt and high sensitivity (0.3 µV) 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 communications**
- Advanced COMSEC for operational security.
- 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.

**A proven family of radio products**
- The MicomPathfinder 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:**
- Internal Vocoder
- AC battery charger
- Internal 4800 bps modem
- Hand-Crank Generator
- Flexible steel blade antenna
- Collapsible whip antenna
- Fast deployment wideband antenna
- Tactical long wire antenna
- Internal GPS
- Fold up solar panel charger
- Embedded AES encryption (Vocoder required)

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**Specifications:**
- Model: M95AMN0KV5-K + G873
- Frequency range: 1.6–30 MHz
- ISB-approved embedded ALE per MIL-STD-188-141B
- Multinet operation (for ALE)
- 200 preset channels, Simplex or Half duplex
- Built-in Automatic antenna tuner
- Transmissions: 25W
- Reception: 100 kHz–30 MHz Rx
- Standby time: 15hrs
- Audio bandwidth: Auto-Selectable for Voice & Data
- 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
- Dimensions: 220 mm x 220 mm x 109 mm
- Weight: 5.2 Kg (w/o battery)

**Options:**
- PC Control and programming kit
- Internal GPS receiver
- Internal Vocoder voice enhancement
- Digital AES/Vocoder Encryption (NSI certified)
- ISB-ready
- Internal Modem with optional AES encryption

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