# VX-260 Series

## VHF/UHF Portable Radios

SPECIFICATION SHEET

## A New Combination of Performance and Value

**The VX-260 Series delivers the ideal combination of features and performance for efficiency, reliability and interoperability. Experience a new way of getting more for less with Vertex Standard.**

### Enhanced Audio Output

Excellent Audio performance allows for better message clarity so you can be heard loud and clear in all situations.

### Expanded Interoperability

The VX-260 Series boasts abundant signaling options such as MDC1200®, FleetSync®, DTMF, 2-tone and 5-tone capabilities, providing seamless integration into a mixed fleet.

### Safety Not Sacrificed

Emergency alert can be programmed to instantly notify help with a press of a button. Lone Worker is a built-in timer that requires the user to reset at a predetermined interval. If not reset, the radio automatically switches to Emergency mode to alert help. An ideal solution for supervisors to monitor the safety status of radio users working alone. VOX capable with accessory.

### Universal Battery System – One Size Fits All

The Universal Battery System for Vertex Standard portable radios takes energy interoperability to a new level by utilising a single charger base to support multiple radio series when used with designated UNI batteries. Eliminate equipment clutter and confusion by consolidating down to one battery and charging platform and increase your productivity.

### Choose the Right Model to Match Your Need

**VX-261**

- Non-display radio
- 16 channels / 1 group
- 2 custom-programmable keys
- Superior audio quality

**VX-264**

- Display radio
- 128 channels / 8 groups
- 6 custom-programmable keys
- Embedded voice inversion encryption
- Superior audio quality




VX-261 VX-264

**The Vertex Standard Difference**

Our number one goal is achieving superior customer satisfaction by delivering products and services that exceed your expectations.

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## VHF/UHF Portable Radios

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www.vertex-standard-emea.com

## Additional Features

- 16 / 128 channels (VX-261/VX-264)
- 2 or 6 programmable keys (VX-261/VX-264)
- 8-Character alphanumeric display (VX-264)
- 700 mW Internal Speaker
- MDC1200® ANI Encode
- FleetSync® ANI Encode
- ANI Decode (VX-264)
- Emergency Encode/Decode (VX-264)
- Call Alert Encode/Decode (VX-264)
- Radio Check Encode/Decode (VX-264)
- Sel Call Encode/Decode (VX-264)
- DTMF ANI Encode
- 2-Tone Encode/Decode
- 5-Tone Encode/Decode
- CTCSS / DCS Encode and Decode
- Emergency
- Lone Worker
- Multiple Scan Options
- ARTS™
- Voice Inversion Encryption (VX-264)
- Internal VOX (when used with VOX accessory)

## Accessories

### Batteries

- FNB-V133LI-UNI 1380 mAh Li-Ion
- FNB-V134LI-UNI 2300 mAh Li-Ion
- FNB-V136Ni-MH 1200 mAh

### Chargers

- VAC-UNI Single Unit Charger
- VAC-6058 MUC Charger
- VCM-5 Vehicular Charger Mounting Adaptor (UNI Charger/Batteries)

### Antennas

- ATU-6A 400-430 MHz
- ATU-6D 450-485 MHz
- ATU-6DS 450-485 MHz
- ATU-6F 490-512 MHz
- ATV-6B 150-163 MHz
- ATV-6C 161-174 MHz
- ATV-6XL Untuned VHF
- ATV-8A 134-150 MHz
- ATV-8B 150-163 MHz
- ATV-8C 162-174 MHz

## Audio Accessories

### Speaker Microphones

- MH-360S Compact Speaker Microphone with 3.5mm Audio Jack
- MH-450S Speaker Microphone with 3.5mm Audio Jack
- MH-45B4B Noise Cancelling Speaker Microphone with 3.5mm Audio Jack

### Headsets/Earpieces

- MH-37A4B-1 Earpiece Microphone
- VH-150A VOX capable lightweight headset, Behind-the-Head
- VH-150B VOX capable lightweight headset, Over-the-Head
- MH-100 Receive Only Earpiece
- MH-101A4B Single Wire Surveillance Kit
- MH-102A4B Two-Wire Surveillance Kit

### Programming Equipment

- FIF-12 USB interface for PC programming
- FRB-6 Tuning Interface Box
- CT-160 Connection Cable
- CT-106 FIF-12 to Radio Cable
- CT-27A Radio to Radio Cloning Cable

## VX-260 Series Specifications

| | VX-261 | VX-264 |
|---|---|---|
| **General Specification** | | |
| Frequency Range | VHF: 136-174 MHz<br>UHF: 403-470 MHz | |
| Dimensions (H x W x D) with FNB-V133LI-UNI | 109.2 x 58.4 x 32.3 mm | |

| Weight (Including battery, Antenna, Belt clip) | VX-261 VHF | VX-261 UHF | VX-264 VHF | VX-264 UHF |
|---|---|---|---|---|
| FNB-V133LI-UNI | 288g | 285g | 299g | 296g |
| FNB-V134LI-UNI | 322g | 319g | 333g | 330g |
| FNB-V136-UNI | 380g | 377g | 391g | 388g |

| | | |
|---|---|---|
| Display | No | 8 Character Alphanumeric |
| Power Output | 5/1 W | |
| Battery life | FNB-V133LI-UNI Lithium Ion: 10.8 h (8.8 h w/o saver)<br>FNB-V134LI-UNI Lithium Ion: 19 h (15.5 h w/o saver)<br>FNB-V136-UNI NiMH: 9.4 h (7.7 h w/o saver) | |
| Channel Spacing | 12.5/20/25 kHz | |
| Audio Output | 700 mW @ 16 Ohms (Internal) / 500 mW @ 4 Ohms (External) | |
| Number of Channels | 16 | 128 |
| Number of Groups | 1 | 8 |
| Programmable Buttons | 2 | 6 |
| PC Programming | CE150 | |
| Radio to Radio Cloning | Yes | |
| IP Rating | 55 | |
| Power Supply Voltage | 7.4 V DC±10 % | |
| Operating Temperature Range | –30° C to +60° C | |
| Frequency Stability | ±2.5 ppm | |
| RF Input-Output Impedence | 50 Ohms | |
| **Receiver Specification** | | |
| Sensitivity | 20 dB SINAD - 2 dBuV | |
| Adjacent Channel Selectivity | 60 / 65 dB (12.5 kHz / 25 kHz) | |
| Intermodulation | 65 dB | |
| Spurious Image Rejection | 70 dB | |
| Hum and Noise | 40 dB | |
| Audio Output (5% THD) | 700 mW @ 16 Ohms (Internal) / 500 mW @ 4 Ohms (External) | |
| Audio Distortion | < 5% | |
| **Transmitter Specification** | | |
| Output Power | 5 / 1 Watt | |
| Modulation | 11K0F3E / 14K0F3E / 16K0F3E | |
| Maximum Deviation | ±2.5 kHz / ±4.0 kHz / ±5.0 kHz | |
| Conducted Spurious Emissions | 70 dB below carrier | |
| FM Hum and Noise | 40 dB | |
| Audio Distortion (@1 kHz) | < 5 % | |

## Applicable MIL-STD

| | Methods/Procedures | | | | |
|---|---|---|---|---|---|
| **Standard** | **MIL 810C** | **MIL 810D** | **MIL 810E** | **MIL 810F** | **MIL 810G** |
| Low Pressure | 500.1 – 1 | 500.2 – 2 | 500.3 – 2 | 500.4 – 1,2 | 500.5 – 1,2 |
| High Temperature | 501.1 – 1,2 | 501.2 – I/1A, 2/A1 | 501.3 – I/A1, 2/A1 | 501.4 – I/HOT, 2/HOT | 501.5 – I/A1, 2/A2 |
| Low Temperature | 502.1 – 1 | 502.2 – I/Cat 3, 2/Cat 1 | 502.3 – I/Cat 3, 2/Cat 1 | 502.4 – I/Cat 3, 2/Cat 1 | 502.5 – I/Cat 3, 2/Cat 1, 3/Cat 1 |
| Temperature Shock | 503.1 – 1 | 503.2 – I/A1 Cat 3 | 503.3 – I/A1 Cat 3 | 503.4 – 1 | 503.5 – I/C |
| Solar Radiation | 505.1 – 2 | 505.2 – 1 | 505.3 – 1 | 505.4 – 1 | 505.5 – I/A1 |
| Rain | 506.1 – 1,2 | 506.2 – 1,2 | 506.3 – 1,2 | 506.4 – 1, 3 | 506.5 – 1/3 |
| Humidity | 507.1 – 2 | 507.2 – 2 | 507.3 – 2 | 507.4 | 507.5 – 2/Agg |
| Salt Spray/Fog | 509.1 – 1 | 509.2 – 1 | 509.3 – 1 | 509.4 | 509.5 |
| Blowing Dust | 510.1 – 1 | 510.2 – 1 | 510.3 – 1 | 510.4 – 1 | 510.5 – 1 |
| Blowing Sand | – | 510.2 – 2 | 510.3 – 2 | 510.4 – 2 | 510.5 – 2 |
| Vibration | 514.2 – 8/F, W | 514.3 – I/Cat 10, 2/Cat 3 | 514.4 – I/Cat 10, 2/Cat 3 | 514.5 – I/Cat 24 | 514.6 – I/Cat 24 |
| Shock | 516.2 – 1,2,3,5 | 516.3 – 1,4,6 | 516.4 – 1,4,6 | 516.5 – 1,4,6 | 516.6 – 1,4,6 |

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