EVX-261

DIGITAL PORTABLE RADIO
DMR Tier 2 Standard /TDMA Protocol

Vertex Standard

eVerge™

Evolve to Better Communication and Value

The Migration is Digital just got easier and more affordable. The EVX-261 is the perfect entry radio to enable you to enhance your communications with the digital performance of eVerge™ two-way radios. eVerge™ radios are compact and precision engineered to deliver value without sacrificing quality — giving you more capabilities and the flexibility you need to communicate at your best.

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

Expanded Interoperability
The EVX-261 boasts abundant signaling options such as MDC1200®, DTMF, 2-tone and 5-tone capabilities, as well as voice inversion encryption, providing seamless integration into a mixed fleet.

Direct Mode
Direct Mode enables you to have two communication paths on a single frequency effectively doubling your call capacity without the need of a repeater.

Transmit Interrupt
When seconds matter, transmit interrupt allows an operator to halt or "interrupt" any current transmission, in favor of a priority message. Transmit Interrupt functionality ensures your critical messages will connect.

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 utilizing 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.

EVX-261 Key Features
- Non-display radio
- 16 channels / 1 group
- 2 custom-programmable keys
- Superior audio quality

EVX-261

FACTORY WARRANTY **3** YEAR

DMR DIGITAL MOBILE RADIO ASSOCIATION

Additional Features

▼ 700 mW Internal Speaker
▼ Emergency Alert
▼ Lone Worker Alert
▼ Multiple Scan Options
▼ ARTS™
▼ Internal VOX (when used with VOX accessory)
▼ 3 Year Warranty

Analog Features

▼ MDC1200® ANI Encode
▼ 2-Tone Encode/Decode
▼ 5-Tone Encode/Decode
▼ CTCSS/DCS Encode and Decode
▼ Remote Stun/Kill/Revive (5-Tone)

Digital Features

▼ All Call/Group Call/Individual Call
▼ Transmit Interrupt (decode only)
▼ Dual Capacity Direct Mode
▼ Basic Privacy

Accessories

Batteries

▼ FNB-V133LI-UNI 1380 mAh Li-Ion
▼ FNB-V134LI-UNI 2300 mAh Li-Ion

Chargers

▼ VAC-UNI Single Unit Charger (multiple plugs for both regions) – CD-58 Charger Base, PA-55 AC Adaptor
▼ VAC-6058 MUC Charger (multiple plugs for both regions) VCM-5 Vehicular Charger Mounting Adaptor (UNI Charger/Batteries)

Antennas

▼ ATU-6A 400-430 MHz 6.5"
▼ ATU-6D 450-485 MHz 6"
▼ ATU-6DS 450-485 MHz 3.5"
▼ ATU-6F 490-512 MHz
▼ ATV-6B 150-163 MHz 3.5"
▼ ATV-6C 161-174 MHz 3.5"
▼ ATV-6XL Untuned VHF a 7"
▼ ATV-8A 134-150 MHz 6"
▼ ATV-8B 150-163 MHz 6"
▼ ATV-8C 162-174 MHz 6"

Cases

▼ LCC-261 Leather Case, Belt Loop (FNB-V133LI)
▼ LCC-261H Leather Case, Belt Loop (FNB-V134LI)
▼ LCC-261S Leather Case, Swivel Belt Loop (FNB-V133LI)
▼ LCC-261SH Leather Case, Swivel Belt Loop (FNB-V134LI)

Clip

▼ CLIP-20 Belt Clip

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 Rx only Earpiece, 3.5mm for use with
▼ MH-450S MH-101A4B Single Wire Surveillance Kit
▼ MH-102A4B Two-Wire Surveillance Kit

Programming Equipment

▼ FIF-12 USB interface for PC programming
▼ CT-106 FIF-12 to Radio Cable
▼ CT-27A Radio to Radio Cloning Cable
▼ CN-3 SMA to BNC Adaptor
▼ CE156 Clone Editor Software

Specifications are preliminary and subject to change without notice or obligation.

†IC approved, FCC approval pending on UHF: G6: 403-470 MHz frequency range
*25 kHz not available for U.S.A. Customers.
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EVX-261 Specifications

General Specifications		
Frequency Range	VHF: D0:136-174 MHz	UHF: G6:403-470 MHz† G7:450-520 MHz
Dimensions (H x W x D)	4.3 x 2.3 x 1.3 in (109.2 x 58.4 x 32.3 mm) with FNB-V133LI-UNI (Inch)	
Weight Approx.	9.9 oz (281 g) (w/FNB-V133LI-UNI, Antenna, Belt Clip) 11.6 oz (330 g) (w/FNB-V134LI-UNI, Antenna, Belt Clip)	
Display	No	
Power Output	5 / 1 W	
Channel Spacing	25* / 12.5* kHz	
Audio Output	700 mW @ 16 Ohms (Internal) / 500 mW @ 4 Ohms (External)	
SP Size (O)	36	
Number of Channels and Groups	16 / 1	
Programmable Buttons	2	
PC Programming	CE156	
Radio to Radio Cloning	Yes	
Battery Life	FNB-V133LI-UNI: 10.8 h (8.8 h w/o saver) / FNB-V134LI-UNI: 19 h (15.5 h w/o saver)	
IP Rating	55	
Power Supply Voltage	7.4 V DC±10 %	
Operating Temperature Range	-22° F to +140° F (-30° C to +60° C)	
Frequency Stability	±2.5 ppm	
RF Input-Output Impedence	50 Ohms	

Receiver Specifications		measured by TIA/EIA 603
Circuit Type	Double conversion Superheterodyne	
Sensitivity	0.25 uV typical	
Adjacent Channel Selectivity	70 / 60 dB (25 kHz / 12.5 kHz)	
Frequency	VHF: 136-174 MHz	UHF: 403-470 MHz, 450-520 MHz
Channel Spacing	25 / 20 / 12.5 kHz	
Intermodulation	70 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%	
Conducted Spurious Emission	-57 dBm	

Transmitter Specifications		measured by TIA/EIA 603
Output Power	5 / 1 W	
Modulation Limiting	±5.0 kHz (25 kHz)/±2.5 kHz (12.5 kHz)	
Maximum Deviation	±5.0 kHz / ±4.0 kHz (EU) / ±2.5 kHz	
Conducted Spurious Emission	70 dB below carrier	
FM Hum and Noise	45/40 dB	
Audio Distortion (@1 kHz)	< 5%	
Analog FM Modulation	16KOF3E (25 kHz) / 11KOF3E (12.5 kHz)	
4FSK Digital Modulation	12.5 kHz Data: 7K60F1D and 7K60FXD / 12.5 kHz Voice: 7K60F1E and 7K60FXE	
Frequency Stability	±1.5 ppm	
Digital Protocol	ETSI TS102 361-1, -2, -3	

Applicable MIL-STD

Standard	Methods / Procedures				
	MIL 810C	MIL 810D	MIL 810E	MIL 810F	MIL 810G
Low Pressure	500.1 / I	500.2 / 2	500.3 / 2	500.4 / I,2	500.5 / I,2
High Temperature	501.1 / I,2	501.2 / IA, 2/A1	501.3 / I/A1, 2/A1	501.4 / I/HOT, 2/HOT	501.5 / I/A1, 2/A2
Low Temperature	502.1 / I	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 / 1/Cat 3, 2/Cat 1, 3/Cat 1
Temperature Shock	503.1 / I	503.2 / I/A1 Cat	503.3 / I/A1 Cat 3	503.4 / I	503.5 / 1/C
Solar Radiation	505.1 / 2	505.2 / I	505.3 / I	505.4 / I	505.5 / 1/A1
Rain	506.1 / I, 2	506.2 / I,2	506.3 / I,2	506.4 / I, 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 / I	509.2 / I	509.3 / I	509.4	509.5
Blowing Dust	510.1 / I	510.2 / I	510.3 / I	510.4 / I	510.5 / I
Blowing Sand	-	510.2 / I	510.3 / 2	510.4 / 2	510.5 / 2
Vibration	514.2 / 8/F, W	514.3 / 1/Cat. 10, 2/Cat 3	514.4 / 1/Cat 10, 2/Cat 3	514.5 / 1/Cat. 24	514.6 / 1/Cat. 24
Shock	516.2 / I,2,3,5	516.3 / I,4,6	516.4 / I,4,6	516.5 / I,4,6	516.6 / I,4,6