

## Wide Coverage Over an LTE (4G) and 3G Network, Mobile LTE Radio Interoperable with IP501H/IP503H

### Nationwide coverage over LTE (4G) and 3G networks\*

\* Service availability varies by country. Network coverage provided by a custom Icom SIM card.

### Interoperable with the handheld IP501H/ IP503H

### Full-Duplex communication provides multiple users simultaneous conversations

### Priority Interrupt Calling can break into an on-going call for an important message

### Text Message function allows you to send and receive messages of up to 32 characters

### Safety features with Emergency Call & Lone Worker functions

### An Ethernet port for data communication\*

\* The optional VE-PG4 is required.

### D-SUB 25-pin connector with the optional OPC-2407 cable for interfacing other devices, various controls and data communication

### ACC connector for Ignition Sensing function

### Noise Canceling function (TX only) for clear audio in noisy environments

### Built-in Bluetooth® and GPS

### Optional COMMANDMIC™ provides a hand-held-like user interface

### Interconnection with the IP100H and IDAS™ systems using the VE-PG4, RoIP gateway



## SPECIFICATIONS

GENERAL	
Power supply	13.8 V DC $\pm 10\%$ or 26.4 V DC $\pm 10\%$
Current drain (Maximum)	TX: Less than 0.6 A (13.8 V DC) RX: Less than 0.4 A (26.4 V DC)
Operating temperature range	-10°C to +60°C; 14°F to +140°F
Dimensions (W x H x D) (Projections not included)	125 x 29 x 156 mm; 4.9 x 1.1 x 6.1 in (Approximate)
Weight	840 g; 1.9 lb (Main unit, approximate)
Voice codec	G. 726
Audio output power	More than 4 W (External SP, at 10% distortion into a 4 $\Omega$ load)
External microphone impedance	600 $\Omega$

## INTERFACE

Network	4G bands:	LTE B2, B4, B12 (USA) LTE B1, B3, B7, B8, B20 (EXP) LTE B1, B3, B5, B7, B8, B28 (AUS)
	3G bands:	W-CDMA B2, B5 (USA) W-CDMA B1, B8 (EXP) W-CDMA B1, B5 (AUS)
Bluetooth		Version 2.1 +EDR
LAN		RJ-45 type x 1 (Auto MDI/MDI-X) 10BASE-T/100BASE-TX
External speaker jack		3.5 mm (1/8 in) (d), 4 $\Omega$
External equipment connector		D-SUB 25-pin type (The optional OPC-2407 is required)

All stated specifications are subject to change without notice or obligation.

## Applicable U.S. Military Specifications &amp; IP Rating

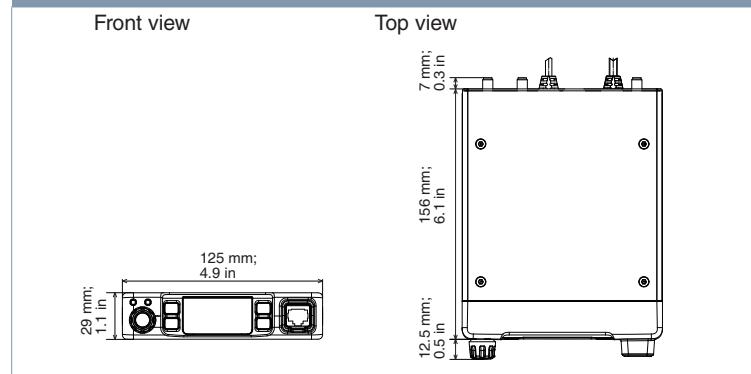
Standard	MIL 810G	Method	Procedure
Low Pressure	500.5		I, II
High Temperature	501.5		I, II
Low Temperature	502.5		I, II
Temperature Shock	503.5		I-C
Solar Radiation	505.5		I
Rain Blowing/Drip	506.5		I, III
Humidity	507.5		II
Dust Blowing	510.5		I
Vibration	514.6		I
Shock	516.6		I, IV

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

## Ingress Protection Standard

Dust and Water	IP54 (Dust-protection, water resistance)
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## DIMENSIONS



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## OPTIONS

## MICROPHONES



HM-241

Speaker microphone with emergency button (IP54)  
Same as supplied



COMMANDMIC™  
HM-230HB  
with 10-keypad and display (IP55)



SM-28  
Desktop microphone

## MICROPHONE EXTENSION CABLE



OPC-2355  
2.5 m; 8.2 ft

## Bluetooth® HEADSET



VS-3

## EXTERNAL SPEAKERS



SP-35  
5 W, 4  $\Omega$  (2 m; 6.5 ft)



SP-30  
20 W, 4  $\Omega$  (2.6 m; 8.5 ft)

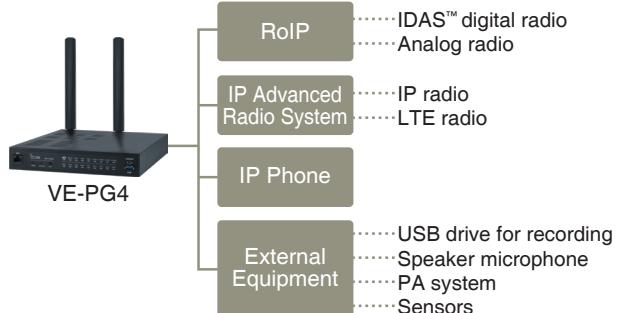
## ACC CABLE



OPC-2407  
D-SUB 25-pin

RoIP GATEWAY  
VE-PG4

With a VE-PG4 RoIP gateway, the LTE radio system can interconnect with an IP phone, IP, IDAS™ digital and analog radios.



## PROGRAMMING SOFTWARE

CS-IP501M

## PROGRAMMING CABLE

OPC-1122U

## Supplied accessories

- HM-241, speaker microphone
- DC power cable
- LTE antenna (2 pcs)
- GPS antenna
- Mounting bracket kit
- Microphone hanger

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