ICOM

IP501M

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

IP501M

Optional COMMANDMIC™

SPECIFICATIONS

GENERAL

Power supply		13.8 V DC ±10% or 26.4 V DC ±10%
Current drain (Maximum)	TX	Less than 0.6 A (13.8 V DC) Less than 0.4 A (26.4 V DC)
	RX	Less than 1.2 A (13.8 V DC) Less than 0.8 A (26.4 V DC)
Operating temperature range		−10°C to +60°C; 14°F to +140°F
Dimensions (W × H × D) (Projections not included)		125 × 29 × 156 mm; 4.9 × 1.1 × 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 Ω load)
External microphone impedance		600 Ω

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 Ω
External equipment connector		D-SUB 25-pin type (The optional OPC-2407 is required)

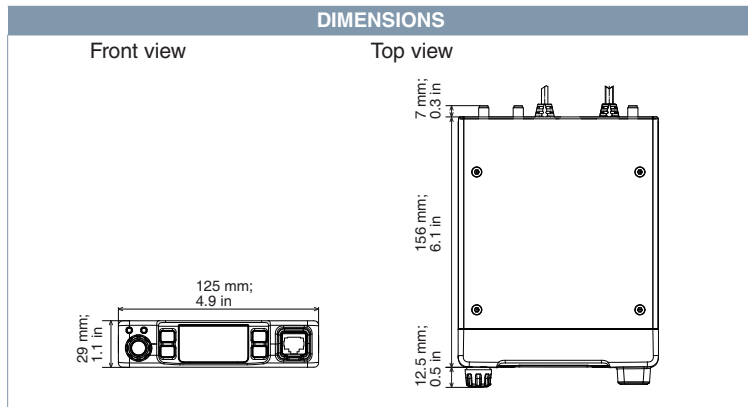All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & 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)

DIMENSIONS

Front view   Top view

125 mm; 4.9 in

29 mm; 1.1 in

7 mm; 0.3 in

156 mm; 6.1 in

12.5 mm; 0.5 in

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 Ω (2 m; 6.5 ft)
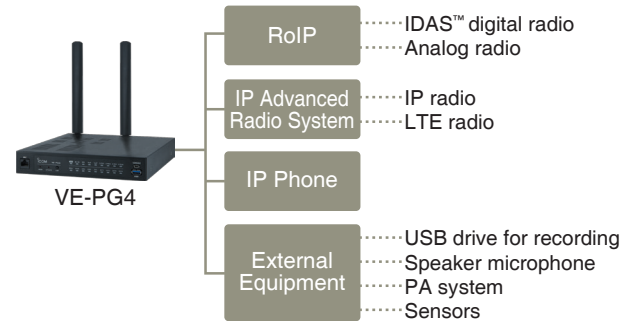
SP-30
20 W, 4 Ω (2.6 m; 8.5 ft)

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.

VE-PG4

- RoIP ······ IDAS™ digital radio / Analog radio
- IP Advanced Radio System ······ IP radio / LTE radio
- IP Phone
- External Equipment ······ USB drive for recording / Speaker microphone / PA system / Sensors

PROGRAMMING SOFTWARE	PROGRAMMING CABLE
CS-IP501M	OPC-1122U

Supplied accessories

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

Your local distributor/dealer:

FELLECS TECH
Ihr Partner für Funktechnik
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inbox@fellecs-tech.com