



# ICOM LTE (4G) and 3G LTE TRANSCEIVER

IP Advanced Radio Systems



- **Push-to-talk instant communications**
- **Communications throughout the coverage area of your LTE (4G) and 3G network**
- **Talk and listen simultaneously: full duplex conversation**

The IP501H provides wide area communication using a LTE (4G) and 3G network and instantaneous communication. The IP501H does not require its own repeaters or IP network which reduces the cost of building and maintaining a wide area radio network.

Push-to-talk, full-duplex Individual calls, group calls or all calls can be made the same way as a conventional two-way radio.

Network coverage provided by custom ICOM SIM card.

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ICOM

# LTE TRANSCEIVER



## Full-Duplex Communications

The IP501H enables use of full-duplex communication which provides smooth telephone style conversations. The IP501H users can talk and receive at the same time.

## Multiple User Communication

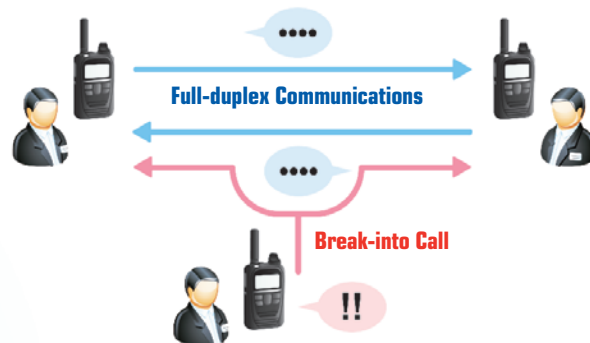
Multiple users in the call groups can initiate calls instantaneously. Removing the need to wait for available channel to communicate.

## Priority Interrupt Calling

The IP501H supports group calls with three or more people. In case of an emergency, you can break into an on-going call to transmit an important message.

## Other Features

- High quality, clear audio using G.726 Vocoder
- Individual, Group, Talkgroup, Multiplex Talkgroup and All Calls
- Emergency button, Lone Worker and Man Down functions
- Vibration alert function notifies of incoming call
- Text message reception and preprogrammed message transmission
- Up to 500 memory address book (including Group, Individual, Talkgroup and Telephone Lists)
- Voice message recording
- Built-in Bluetooth® and GPS



## Industry Leading Compact and Lightweight Body

Compact 59 x 95 x 32 mm; 2.3 x 3.7 x 1.3 in. and 240 g; 8.5 oz. (approximate) lightweight body\* allows non-intrusive mobility and use.

\*With BP-272 battery pack and antenna. Projections are not included.

## IP67 Dust-Tight and Waterproof

The IP501H has been designed to preserve its waterproof integrity in water of a depth of 1 meter for up to 30 minutes. It can be used for outdoor work or places prone to get wet.

## Optional Charger Cradle with Bluetooth® Function

When the optional BC-218, charger cradle and HM-215, speaker-microphone is used, calls can be made with the microphone, while charging the IP501H. Even when the IP501H is not dropped into the BC-218, the Bluetooth® function enables you to wirelessly use the speaker-microphone.

\*May not be available in some countries. Please confirm the regulations in our country before you use.

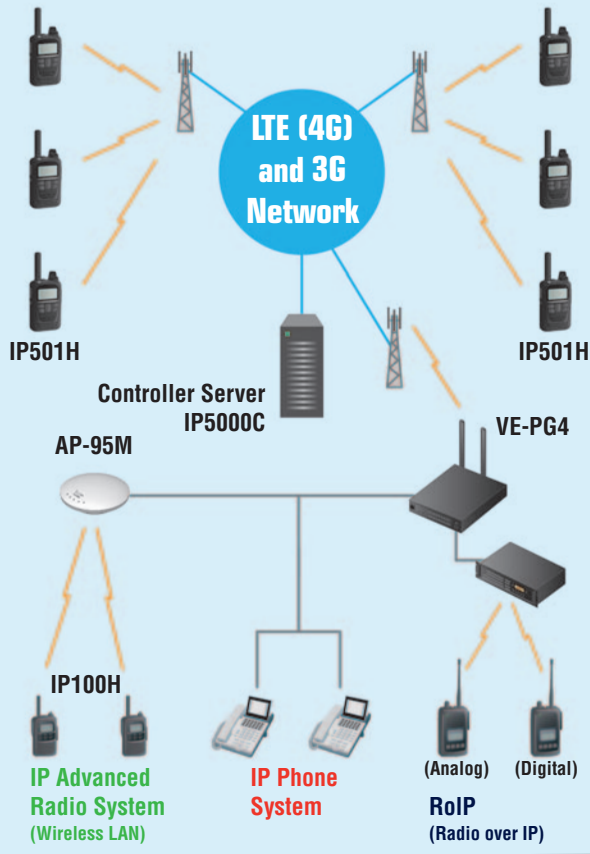


# LTE TRANSCEIVER

## Interconnect between IDAS™ and IP100H Systems

With a VE-PG4, the IP501H system provides interoperability with an IP phone, analogue transceiver, IDAS™ digital transceiver and IP100H wireless LAN network systems. In addition, GPS position data can be obtained from the IP501H transceiver.\*

\*GPS mapping software required for GPS data.



## ACCESSORIES / OPTIONS

### BATTERY PACKS



**BP-271**  
Rechargeable  
Li-ion 1150/1200  
mAh (min./typ.)  
IP67 waterproof



**BP-272**  
Rechargeable  
Li-ion 1880/2000  
mAh (min./typ.)  
IP67 waterproof

### RAPID CHARGER



**BC-202IP2**



**BC-123S\*1**

### MULTI-CHARGER



**BC-211**



**BC-157S**

\*1 BC-123SA for USA plug. SE for Europe plug. SV for Australia plug.

### CIGAR LIGHTER CABLES

(For use with BC-218)



**CP-22**  
With DC-DC  
converter  
(12-24V DC)



**CP-23L**  
For 12V DC

### SPEAKER-MICROPHONES

(For use with BC-218)



**HM-183LS**  
IPX7 waterproof



**HM-186LS**

### EARPHONE-MICROPHONES



**HM-153LS**



**HM-166LS**

\*2 Charging is possible while the case is attached.

### CARRYING CASES



**LC-183\*2**  
For use with  
BP-271



**LC-185\*2**  
For use with  
BP-272

• **MB-135:**  
Belt clip. Same as supplied.

• **OPC-2006LS:**  
Plug adapter cable.

• **OPC-2328**  
PTT switch cable.  
Either OPC-2006LS or  
OPC-2328 as required when  
using any of HS-94, HS-95  
or HS-97.

• **OPC-2359:**  
PTT switch cable  
OPC-2359 is required when  
using HS-102.

### HEADSETS



**HS-94\*3**  
Earhook type



**HS-95\*3**  
Behind the head



**HS-97\*3**  
Throat-microphone  
type



**VS-3**  
Bluetooth®

\*3 Either OPC-2006LS or  
OPC-2328 is required when  
using any of these headsets.  
(Simplex mode operation only)

### CHARGER CRADLE



**BC-218**  
Charger cradle  
with Bluetooth®  
function



**BC-207S**



**HM-215**  
Speaker-  
microphone  
for BC-218



**MBA-7**  
Bracket  
Adapter for  
BC-218



**MBF-18**  
Mounting Base





# ICOM LTE (4G) and 3G LTE TRANSCEIVER

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## SPECIFICATIONS

Network	4G bands:	LTE B1, B3, B7, B8, B20 (EXP) LTE B2, B4, B5, B17 (USA)
	3G bands:	W-CDMA B1, B8 (EXP) W-CDMA B2, B5 (USA)
Dimensions (W x H x D; Projections not included)	59 x 95 x 32 mm; 2.3 x 3.7 x 1.3 in (with BP-272)	
Weight (approx.)	240 g; 8.5 oz (with BP-272 and antenna)	
Voice Codec	G.726 (32 kbps)	
AF output power	Internal SP	400 mW (16 Ω at 10% distortion)
	External SP	200 mW (8 Ω at 10% distortion)
Operating time* (5:5:90 duty cycle.)	More than 17 hours (with BP-272)	
Bluetooth	Ver 2.1 +EDR	
GPS	Built-in	
Operating temperature	-10 °C to +60 °C; +14 °F to +140 °F	
IP rating	IP67/55/54	

\* Operating time may differ depending on operating environments.  
All stated specifications are subject to change without notice or obligation.

## Applicable U.S. Military Specifications

MIL 810G Standard	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
Dust Blowing	510.5	I
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

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

### Supplied accessories

- BP-272 Li-ion battery pack
- MB-135 belt clip
- Hand strap
- Antenna



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