


ICOM

IP501H

IP ADVANCED RADIO SYSTEM

4G (LTE)
and 3G

LTE Transceiver



- | LTE Transceiver
- | Nationwide Coverage over 4G (LTE) and 3G Network
- | Telephone Style Conversation with PTT Operation

Instant Nationwide Coverage Over a 4G (LTE) and 3G Network

The IP501H provides nationwide communication using a 4G (LTE) and 3G network and instantaneous communication with PTT operation. Individual call, Group call or All call can be made the same way as a conventional two-way radio.



Actual Size



Nationwide coverage over a 4G (LTE) and 3G Network

Using a 4G (LTE) and 3G network, the IP501H can provide virtually nationwide coverage with carrier grade reliability. The IP501H does not require its own repeaters or IP network and reduces the cost of building and maintaining a wide area radio network.

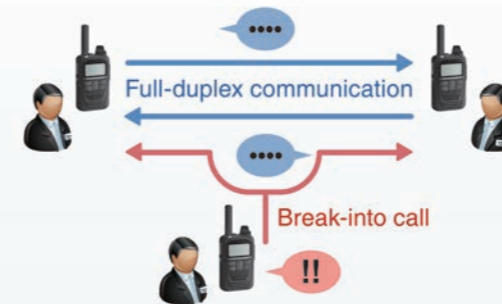
* Available carrier depends on the country. (4G (LTE) and 3G)

Full-duplex communication

The IP501H enables use of full-duplex communication which provides smooth telephone style conversation with PTT operation. In addition, the IP501H uses a 4G (LTE) and 3G network and multiple users can initiate calls respectively, without interfering with each other. There is no requirements to check or wait for channel availability.

Three-way group call

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



Industry leading compact and light-weight body

Compact 59 x 95 x 32 mm and 240 g (approximate) lightweight body* allows non-intrusive mobility and use. * With BP-272 battery pack. Projections are not included.

IP67 dust-tight and waterproof

The IP501H has advanced waterproof performance to endure 1 m depth water for 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 does not drop into the BC-218, the Bluetooth function enables you to wirelessly use the speaker-microphone.



* Not available in some countries. Please confirm the regulations in your country before you use.

Other Features

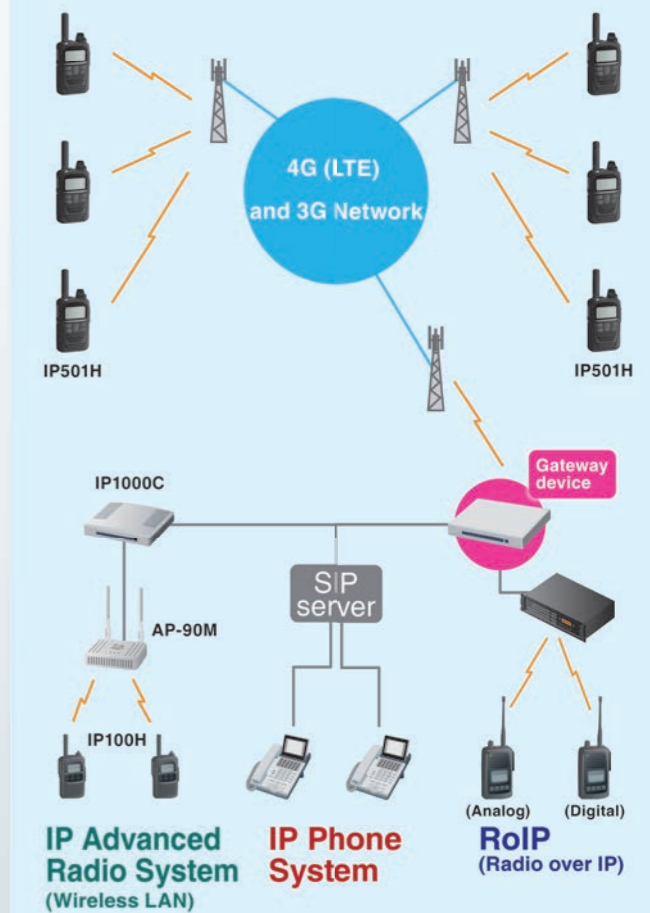
- High quality, clear audio
- Individual, Group and all calls
- Emergency button, Man down function and Lone Worker function
- Vibration alert function notifies of incoming call
- Text message reception and pre-programmed message transmission
- Up to 500 memories (including group, individual, talk group and telephone)
- Built-in Bluetooth® and GPS*

* Gateway device required for GPS data (future).

Interconnect between IDAS™ and IP100H systems

With a gateway device*, the IP501H system will provide interoperability with IP phone, analogue transceiver, IDAS™ digital transceiver and IP100H wireless LAN network systems in the future. In addition, GPS position data can be obtained from the IP501H transceiver.

* The gateway device will be available in the future.



Railways

Security

Events Management


Road Maintenance

Hospitality

Transportation

OPTIONS

Battery packs



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


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

Rapid charger



BC-202IP2 **BC-123S*1**

Multi-charger



BC-211 **BC-157S**

Cigarette lighter cables
(for use with BC-218)



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

CP-23L

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

Charger cradle



BC-218
Charger cradle with
Bluetooth® function

BC-207

HM-215
Speaker-microphone
for BC-218

MBA-7
Mounting Bracket
for BC-218

MBF-1
Mounting Base

Speaker-microphones



HM-183LS
IPX7 waterproof

HM-186LS

Earphone-microphones



HM-153LS

HM-166LS

Headsets



HS-102*2
Earphone type

HS-94*3
Earhook type

HS-95*3
Behind-the-head type

HS-97*3
Throat-microphone type

VS-3
Bluetooth® headset

Carrying cases



LC-183
For use
with BP-271

LC-185
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 is 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.
- **OPC-515L:**
DC power cable for use with BC-202IP or BC-218.
- **OPC-655:**
DC power cable for use with BC-211.

*2 OPC-2359 is required when using HS-102.
*3 Either OPC-2006LS or OPC-2328 is required when using any of these headsets.

SPECIFICATIONS

IP501H	
Network	4G bands: LTE 1, 3, 7, 8, 20 (EXP) LTE 2, 4, 5, 17 (USA)
	3G bands: W-CDMA 1, 8 (EXP) W-CDMA 2, 5 (USA)
Dimensions (W x H x D) ^{*1}	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
Operating temperature	-10 °C to +60 °C; +14 °F to +140 °F
IP rating	IP67/55/54
Supplied accessories	
• BP-272 Li-ion battery pack • MB-135 belt clip • Hand strap • Antenna	

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

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