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**

CIGARETTE LIGHTER CABLES
(for use with BC-218)

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

CP-23L
For 12 V DC

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

CHARGER CRADLE

BC-218
Charger cradle with
Bluetooth® function

BC-207S

HM-215
Speaker-microphone
for BC-218

MBA-7
Bracket Adaptor
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

*2 OPC-2359 is required when using HS-102.
*3 Either OPC-2006LS or OPC-2328 is required when using any of these headsets. (Simplex mode operation only.)

CARRYING CASES

LC-183[*4]
For use
with BP-271

LC-185[*4]
For use
with BP-272

*4 Charging is possible while the case is attached.

- **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.

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 × H × D; Projections not included)		59 × 95 × 32 mm; 2.3 × 3.7 × 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

Your local distributor/dealer:

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ICOM

IP501H

IP ADVANCED RADIO SYSTEM

LTE Transceiver

LTE (4G) and 3G

IP ADVANCED RADIO SYSTEM IP501H

Push-to-Talk Instant Communications

Communication throughout the Coverage Area of LTE (4G) and 3G Network

Talk and Listen Simultaneously: Full-Duplex Conversation

Instant Wide Area Coverage Over an LTE (4G) and 3G Network

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

LTE (4G) and 3G Network

Actual Size

IP ADVANCED RADIO SYSTEM

IP501H

Communication throughout the Coverage of LTE (4G) and 3G Network

Using an existing LTE (4G) and 3G network, the IP501H is able to provide a network with wide area coverage capabilities. The IP501H does not require its own repeaters or IP network which reduces the cost of building and maintaining a wide area radio network.

* Service availability depends on the country. Network coverage provided by custom ICOM SIM card.
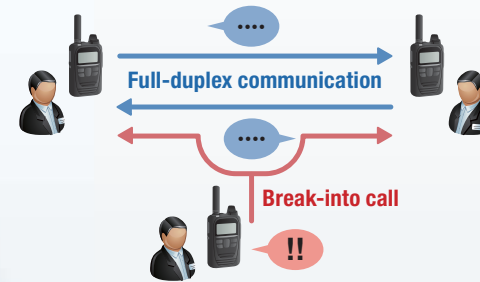
Full-Duplex Communication

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 channels 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.

Full-duplex communication

Break-into call

Industry Leading Compact and Lightweight Body

Compact 59 × 95 × 32 mm; 2.3 × 3.7 × 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 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 your country before you use.
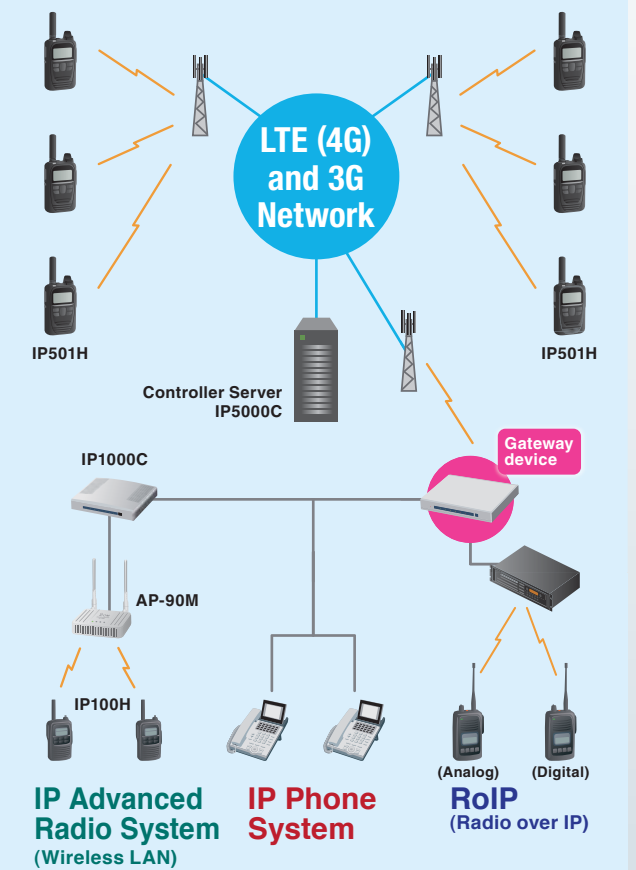
Other Features

- 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*

* Gateway device required for GPS data (future).

Interconnect between IDAS™ and IP100H systems

With a gateway device*, the IP501H system will provide interoperability with an 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.

LTE (4G) and 3G Network

IP501H

IP501H

Controller Server IP5000C

IP1000C

Gateway device

AP-90M

IP100H

IP Advanced Radio System (Wireless LAN)

IP Phone System

(Analog) (Digital)
RoIP (Radio over IP)

Railways **Security** **Event Management** **Road Maintenance** **Hospitality** **Transportation**