

You Can Talk and Listen at the Same Time Full-Duplex, Dual SIM IP Radio



Instant Wide Area Coverage Over an LTE/3G Network

It provides wide area communication using a cellular network.*

* Network coverage provided by a generally available data SIM card. Radio registration is required separately.

Dual SIM Capability for Communication Redundancy

Two different SIM cards can be installed. Switch between them as required.*

* Single standby only

Multiple User Communication

Multiple users in the call groups can initiate calls instantaneously.

Priority Interrupt Calling

You can break into an on-going call to transmit an important message.

Industry Leading Compact and Lightweight Design

IP67 Dust-Tight and Waterproof

900 mW Powerful and Clear Audio

Other Features

- Individual, Group, Talkgroup, Multiplex Talkgroup and All calls*

* Depending on system configuration

- Emergency button, Lone Worker and Man Down functions
- Vibration alert function notifies of incoming call
- Up to 500 memory address book
(including Group, Individual, Talkgroup and Telephone lists)
- Voice message recording
- Built-in Bluetooth® capability and GPS

OPTIONAL ACCESSORIES

BATTERY PACK



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

MULTI-CONNECTABLE
RAPID CHARGER

BC-202IP3L



BC-123S^{*1}
AC adapter for single unit



Connect up to 6 BC-202IP3L units



BC-228 AC adapter is required
for multiple connections.

^{*1} The straight plug type is required.

MULTI-CHARGER



BC-211^{*2}



BC-157S
AC adapter

^{*2} AC adapter may be supplied as standard,
depending on the version.

CHARGER CRADLE



BC-218
Charger cradle with
Bluetooth® function



BC-207S
AC adapter



HM-215
Speaker-microphone
for BC-218



MBA-7
Bracket adapter
for BC-218



MBF-1
Mounting base

SPEAKER-MICROPHONES



HM-183LS
IPX7 waterproof



HM-186LS

EARPHONE-MICROPHONES



HM-153LS



HM-166LS

HEADSETS



HS-102^{*3}
Earphone type



HS-94^{*4}
Earhook type



HS-95^{*4}
Behind-the-head type



HS-97^{*4}
Throat-microphone type



VS-3
Bluetooth® headset

^{*3} OPC-2359 is required when using HS-102.

^{*4} Either OPC-2006LS or OPC-2328 is required when using any of these headsets. (Simplex mode operation only.)

CARRYING CASE AND
SHOULDER STRAP

LC-185^{*5}



MB-57L
For use with LC-185

- **CP-22:** Cigarette lighter cable with DC-DC converter (12-24 V DC) (For use with BC-218)
- **CP-23L:** Cigarette lighter cable for 12 V DC (For use with BC-218)
- **CP-25H:** Cigarette lighter cable for 12 V DC (For use with BC-202IP3L single unit)
- **MB-135:** Belt clip. Same as supplied.
- **OPC-2006LS:** Plug adapter cable for VOX operation.
- **OPC-2328:** PTT switch cable
- **OPC-2359:** PTT switch cable

^{*5} Charging is possible while the case is attached.

SPECIFICATIONS

| Network | EXP | LTE B1, B3, B7, B8, B20 W-CDMA B1, B8 |
|---|---|--|
| | AUS | LTE B1, B3, B5, B7, B8, B28 W-CDMA B1, B5 |
| 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 (8 Ω at 10% distortion) | Internal SP | More than 900 mW |
| | External SP | More than 200 mW |
| Operating time (TX : RX : standby = 5 : 5 : 90) | 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 (dust-tight and waterproof) IP55/54 (dust and water jet / water resistance) | |

^{*} Operating time may differ depending on operating environment.
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

SPEAKERPHONE UNIT



VE-SP1

JUST SLOT IN THE IP503H **Lite** AND
START A VOICE CONFERENCE

- Portable operation with LR6 (AA)×8 cells
- Built-in loudspeaker and high sensitivity microphone
- Charges the radio while using with the AC adapter
- Great as a teleworking type solution

^{*} The transceiver is not supplied.



IP503H



IP503H(Lite)

Note for IP503H users:

The IP503H(Lite) (front panel is blue) uses a generally available data SIM card and is controlled by the IP4000C system.
The IP503H(Lite) is not compatible with IP503H radios (black front panel) which use a closed network provided by custom Icom SIM card.

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