


























OPTIONS FOR HANDHELD TRANSCEIVERS

	BATTERY PACKS			BATTERY CASES		WALL CHARGER		CHARGERS	
MODEL NAME	BP-210N Ni-MH: 7.2V/1500mAh (min.) 1650mAh (typ.) 	BP-230N Li-Ion: 7.4V/950mAh (min.) 980mAh (typ.) 	BP-232H Li-Ion: 7.4V/2250mAh (min.) 2300mAh (typ.) 		BP-208N LR6 (AA)×6 cells 	BP-261 LR6 (AA)×6 cells 	BC-167S*1 12V/500mA 		BC-119N Rapid charger 
IC-A24/A24E	✓				✓		✓		✓ (Use with AD-101)
IC-A6/A6E									✓ (Use with AD-106)
IC-A14/A14S		✓	✓			✓			
IC-A15/A15S									

*1 BC-167SA for 120V AC. SD for 230V AC. SV for 240V AC.

	CHARGERS				MULTI-CHARGERS		AC ADAPTERS		
MODEL NAME	BC-144N Rapid charger 	BC-160 Rapid charger 	BC-171 Regular charger 	BC-179 Regular charger 	BC-121N Rapid multi-charger 	BC-197 Rapid multi-charger 	BC-145S*2 16V/0.93A 	BC-147S*2 12V/200mA 	BC-157S 12V/6.6A 
IC-A24/A24E	✓				✓ (Use with AD-101)		✓		✓
IC-A6/A6E					✓ (Use with AD-106)	✓ (Use with AD-122)	✓ (Use with BC-119N/BC-160)	✓ (Use with BC-171/BC-179)	✓ (Use with BC-121N)
IC-A14/A14S		✓	✓	✓					✓ (Use with BC-121N/BC-197)
IC-A15/A15S									

*2 BC-145/BC-147SA for 120V AC. SE for 230V AC. SV for 240V AC.







	CHARGER ADAPTERS			DC POWER CABLES		CIGARETTE LIGHTER CABLES		SPEAKER-MICROPHONE	HEADSET ADAPTER
MODEL NAME	AD-101 	AD-106 	AD-122 (Supplied with BC-197, depending on version) 	OPC-515L 	OPC-656 	CP-20 	CP-22 	HM-173 	OPC-499 
IC-A24/A24E	✓ (Use with BC-119N/BC-121N)			✓ (Use with BC-119N)	✓ (Use with BC-121N)	✓		✓	✓
IC-A6/A6E								✓	✓
IC-A14/A14S		✓ (Use with BC-119N/BC-121N)	✓ (Use with BC-197)	✓ (Use with BC-119N)	✓ (Use with BC-121N/BC-197)		✓ (Use with BC-179)	✓	✓
IC-A15/A15S								✓	✓

	BELT CLIPS			LEATHER BELT HANGERS		CHARGER BRACKET	CARRYING CASE	ANTENNA
MODEL NAME	MB-86 	MB-94 	MB-103 	MB-96F 	MB-96N 	MB-130 	LC-159 	FA-B02AR 
IC-A24/A24E	✓		✓	✓ (Use with MB-103)	✓		✓	✓
IC-A6/A6E				✓ (Use with MB-94)		✓ (Use with BC-160)		✓
IC-A14/A14S		✓						✓
IC-A15/A15S								✓

* Some options may not be available in some countries, or unavailable due to no T/A. Please ask your dealer for details.

: Applicable : Not applicable

OPTIONS FOR MOBILE TRANSCEIVERS

	HAND MICROPHONES		HEADSET ADAPTER	DC POWER SUPPLY	MOUNTING BRACKETS	REAR PANEL ADAPTER
MODEL NAME	HM-161 	HM-176 Same as supplied with PS-80 and MB-53. 	OPC-871 	PS-80 	MB-53 	MB-113 For D-sub 15-pin connection system 
IC-A210		✓		✓	✓	✓
IC-A210E		(Use with PS-80/MB-53)		(IC-A210 only)	✓	✓
IC-A110	✓		✓			
IC-A110EURO	✓		✓			

: Applicable
 : Not applicable

SPECIFICATIONS

		IC-A24 IC-A6	IC-A24E IC-A6E	IC-A14 IC-A14S	IC-A15 IC-A15S	IC-A210	IC-A210E	IC-A110	IC-A110EURO
Frequency range (unit: MHz)	TX	118.000–136.9917		118.000–136.975		118.000–136.992 (8.33kHz spacing) 118.000–136.975 (25kHz spacing)		118.000–136.975	
	RX	IC-A24 108.000–136.9917 161.650–163.275 IC-A6 118.000–136.9917 161.650–163.275	IC-A24E 108.000–136.9917 IC-A6E 118.000–136.9917	IC-A14 108.000–136.975 161.650–163.275 IC-A14S 118.000–136.975	118.000–136.975	118.000–136.992 161.650–163.275	118.000–136.992	118.000–136.975	
Number of memory channels		200ch (20ch × 10 banks)		200ch (20ch × 10 banks, IC-A14, A15) 100ch (IC-A14S, A15S)		240ch (Max.)	230ch (Max.)	99ch	
Channel spacing (depending on version)		25kHz/8.33kHz or 25kHz		25kHz		25kHz/8.33kHz or 25kHz	25kHz/8.33kHz	25kHz/8.33kHz or 25kHz	25kHz/8.33kHz
Power supply requirements		7.2V DC (Battery pack), 11.0V DC (External DC jack)		7.4V DC		13.8V or 27.5V DC (automatic selection)		13.75V or 27.5V DC (automatic selection)	
Current drain	TX High	1.8A* (* 1.5A typ. for 25kHz version)		1.5A		5.0A Max.		5.0A Max.	
	RX Stand-by	70mA typ.		50mA typ.		500mA		500mA Max.	
	RX Max. audio	500mA* (* 300mA typ. for 25kHz version)		500mA		4.0A		4.0A Max.	
Dimensions*1 (W×H×D)		54×129.3×35.5 mm; 2.13×5.09×1.4 in		53×120×36.9 mm; 2.09×4.72×1.45 in		160×34×271 mm; 6.3×1.34×10.67 in		150×50×180 mm; 5.91×1.97×7.09 in	
Weight (approx.)		430g; 15.2oz (with BP-210N and ANT)		350g; 12.3oz (with BP-232H and ANT)		1.0kg; 2.2lb		1.5kg; 3.3lb	
Operating temperature range		−10°C to +60°C		−10°C to +60°C		−20°C to +55°C		−30°C to +60°C	
Frequency stability		1ppm* (* 5ppm for 25kHz version)		5ppm		5ppm	1ppm (0°C to +40°C)	5ppm	1ppm (0°C to +40°C)
RF output power (PEP/Carrier)		5.0/1.5W	5.0/1.5W* (* 3.6/1.0W typ. for 25kHz version)	5.0/1.5W typ.		8.0W typ. (Carrier)	6.0W typ. (Carrier)	36/9W typ.	9W (+2dB/−3dB)
Microphone impedance		100kΩ		150Ω		600Ω		600Ω	
Sensitivity	COM	1μV (0.5μV typ.*2) (6dB S/N)	1μV (0.71μV typ.*2) (12dB SINAD)	0.5μV typ. (6dB S/N)	0.71μV typ. (12dB SINAD)	2μV (6dB S/N)	2μV (12dB SINAD)	1μV (6dB S/N)	1.8μV (12dB SINAD)
	NAV (6dB S/N)	1μV (0.71μV typ.*2)	1μV (0.71μV typ.*2)	0.71μV typ.	—	—	—	—	—
	WX (12dB SINAD)	0.4μV (0.22μV typ.*2)	—	—	—	1.4μV	—	—	—
Selectivity	6dB (8.33/25kHz)	2.778/7.5kHz		7.5kHz (25kHz spacing)		2.778/3kHz	2.88/8.5kHz	2.778/8kHz	
	60dB (8.33/25kHz)	7.37/25kHz		25kHz (25kHz spacing)		7.37/22kHz	—	7.37/25kHz	
Spurious response rejection		60dB (COM/NAV)	70dB	60dB (COM/NAV)	70dB	74dBμ	70dB	74dBμ	70dB
Audio output power (at 10% distortion)		470mW* typ. with an 8Ω load (* 500mW typ. for 25kHz version)		700mW with an 8Ω load (Internal SP) 500mW with an 8Ω load (External SP)		5W with a 4Ω load (External SP) 60mW with a 500Ω load (Headphone)		10W typ. with an 8Ω load (External SP) 100mW typ. with a 500Ω load (Headphone)	

All stated specifications are subject to change without notice or obligation. *1 Projections are not included. *2 For 25kHz version.



Applicable U.S. Military specifications

Icom makes rugged products that have been tested to and passed the following MIL-STD requirements and strict environmental standards.

Standard	Low Pressure Storage	Low Pressure Operation	High Temperature Storage	High Temperature Operation	Low Temperature Storage	Low Temperature Operation	Temperature Shock	Solar Radiation	Rain Blowing	Rain Drip	Humidity Induced	Humidity Aggravate	Salt Fog	Dust Blowing	Vibration	Shock Functional Shock	Shock Transit Drop
MIL-810 E Method. Procedure	500.3 I	500.3 II	501.3 I	501.3 II	502.3 I	502.3 II	503.3 I	505.3 I	506.3 I	506.3 II	507.3 II	507.3 II	509.3 I	510.3 I	514.4 I	516.4 I	516.4 IV
MIL-810 F Method. Procedure	500.4 I	500.4 II	501.4 I	501.4 II	502.4 I	502.4 II	503.4 I	505.4 I	506.4 I	506.4 III	507.4	507.4	509.4	510.4 I	514.5 I	516.5 I	516.5 IV
IC-A24/A24E, IC-A6/A6E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IC-A14/S, IC-A15/S	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IC-A210, IC-A210E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
IC-A110, IC-A110EURO	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

The IC-A24/E, A6/E, A14/S, A15/S and IC-A210/A210E were tested to MIL-810 F requirements. The IC-A110/A110EURO was tested to MIL-810 E requirements.