SPECIFICATIONS AND OPTIONS

■ Specifications Measurements made without an antenna.

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

◇ General

Frequency range:	IC-A16	TX	118.000 ~ 136.99166 MHz
		RX	108.000 ~ 136.99166 MHz
		WX	161.650 ~ 163.275 MHz
	IC-A16E	TX/RX	118.000 ~ 136.99166 MHz
Channel spacing:		25 kHz/8.33 kHz	
Mode:	IC-A16	6K00A3E/5K60A3E	
		16K0G3E (WX)	
	IC-A16E	6K80A3E/5K00A3E	
Number of Memory channels:		200 Channels	
Antenna impedance:		50 Ω nominal	
Antenna connector:		BNC type	
Power supply requirement:		7.2 V DC standard	
Current drain:		Less than 1.8 A	
Operating temperature range:	IC-A16	–10˚C ~ +60˚C, 14˚F ~ 140˚F	
	IC-A16E	–20˚C ~ +55˚C	
Dimensions*1 :		52.2 (W) × 111.8 (H) × 34.1 (D) mm, 2.1 (W) × 4.4 (H) × 1.3 (D) inches	
Weight (approximately):		257 g, 9.1 oz with BP-280	

◇ Transmitter

Output power:		6.0 W (PEP), 1.8 W (CW)
Modulation limiting (IC-A16):		70 ~ 100%
Modulation depth (IC-A16E):		85%
Audio harmonic distortion:	IC-A16	Less than 10% (at 60% modulation)
	IC-A16E	Less than 10% (at 85% + 3dB modulation)
Ham and Noise ratio:		More than 35 dB
Spurious emissions:	IC-A16	More than 46 dB*2*3
	IC-A16E	Less than –36 dBm*4
Frequency stability:	IC-A16	±0.4 kHz
	IC-A16E	±1 ppm

◇ Receiver

Receive system:		Double conversion superheterodyne	
Intermediate frequencies:		1st 46.35 MHz, 2nd 450 kHz	
Sensitivity:	IC-A16	COM	Less than 0 dBμ (at 6 dB S/N)
		NAV	Less than 3 dBμ (at 6 dB S/N)
		WX	Less than –8 dBμ (at 12 dB SINAD)
	IC-A16E		Less than 0 dBμ (at 12 dB SINAD with CCITT)
Squelch sensitivity (Threshold):		COM/NAV	Less than 0 dBμ
		WX	Less than –5 dBμ
Spurious response rejection ratio:	IC-A16	COM/NAV	More than 60 dB
		WX	More than 30 dB
	IC-A16E		More than 70 dB

Audio output power:	Int. SP	1500 mW (Typical) into an 8 Ω load
(At 10% distortion)	Ext. SP	More than 350 mW into an 8 Ω load

*1 Projections not included.
*2 Except operating frequency ±62.5 kHz in 25 kHz channel spacing.
*3 Except operating frequency ±20.825 kHz in 8.33 kHz channel spacing.
*4 Except for operating frequency ±1 MHz.

■ Options

◇ Battery packs

• **BP-278/BP-279/BP-280** BATTERY PACKS

Battery pack	Voltage	Capacity
BP-278	7.2 V	1130 mAh (minimum) 1190 mAh (typical)
BP-279	7.2 V	1485 mAh (minimum) 1570 mAh (typical)
BP-280	7.2 V	2280 mAh (minimum) 2400 mAh (typical)

◇ Chargers/Adapters/DC cables

• **BC-213** DESKTOP CHARGER + **BC-123S** AC ADAPTER
To rapidly charge a single battery pack.
• **BC-214** MULTI CHARGER + **BC-157S** AC ADAPTER+ **AD-130** CHARGER ADAPTER
To rapidly charge up to 6 battery packs.
• **CP-23L** CIGARETTE LIGHTER CABLE
Use when charging the battery pack from a 12 V cigarette lighter socket. (Use with the BC-213)
• **OPC-515L** DC POWER CABLE
Used when charging battery packs using a 13.8 V DC power source instead of the power adapter. (Use with the BC-213)
• **OPC-656** DC POWER CABLE
Use with a 13.8 V power source instead of the power adapter. (Use with the BC-214)

◇ Others

• **FA-B02AR** ANTENNA
• **OPC-2401** HEADSET ADAPTER
To connect a wired headset to the transceiver.
• **HM-240** SPEAKER MICROPHONE
• **MB-130** CHARGER BRACKET
Mounts the BC-213 desktop charger on a variety of places in a vehicle.
• **MB-133** BELT CLIP
• **MB-96F/MB-96FL/MB-96N** BELT HANGERS
• **VS-3** Bluetooth® HEADSET
The Bluetooth headset with a [PTT] switch.

About the third party Bluetooth headsets:
Icom has checked the PTT operation with some 3M Peltor headsets, such as the WS Headset XP, WS ProTac XP and WS Alert XP. (Compatibility not guaranteed.)

Some options may not be available in some countries. Ask your dealer for details.

All options and those specifications are subject to change without notice or obligation.
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