

ICOM IC-A16E

General

			IC-A16E
Frequency range			TX/RX : 118.000–136.992 MHz
Number of memory channels			200 channels
Channel spacing			8.33 kHz/25 kHz
Type of emission			6K80A3E, 5K00A3E
Power supply requirement			7.2 V DC
Current drain (approximate)	TX High		1.8 A
	Rx	Stand-by	65 mA typical
		Max. audio	650 mA
Antenna impedance			50 Ω (BNC type antenna connector)
Operating temperature range			–20°C to +55°C
Dimensions (W×H×D) (Projections not included)			52.2 × 111.8 × 34.1 mm (with BP-280)
Weight (approximate)			257 g (with BP-280)

Transmitter

		IC-A16E
Output power (at 7.2 V DC)		6.0 W (PEP), 1.8 W (carrier)
Audio harmonic distortion		Less than 10% (at 85% + 3 dB modulation)
Harmonics spurious emissions		Less than –36 dBm (Except for operating frequency ± 1 MHz.)
Frequency stability		± 1 ppm

Receiver

		IC-A16E
Intermediate frequencies		46.35 MHz (1st), 450 kHz (2nd)
Sensitivity		Less than 0 dB μ (at 12 dB SINAD with CCITT)
Squelch sensitivity (Threshold)		Less than 0 dB μ
Spurious response		More than 70 dB
Ham and noise		More than 40 dB (at 90% modulation)

Audio output power	INT SP	1500 mW typical
	EXT SP	More than 350 mW (AM 8 Ω 60% modulation at 10% distortion)
External speaker connector		3 conductor 3.5 (d) mm