



TCC

Think Wise Move Tactical

PROFESSIONAL
RELIABLE
TACTICAL

IC-V86

PROFESSIONAL VHF COMMUNICATION RADIO

POWER. RELIABILITY. CLARITY.

Built for professionals who need reliable communication in any environment.



7W

OUTPUT POWER

Extended range and strong penetration.



1500mW

LOUD AUDIO

Clear and powerful audio in any environment.



IP54

WATER & DUST PROTECTION

Built to perform in harsh conditions.



UP TO 19 HOURS BATTERY LIFE

Long lasting performance for full shift operation.



RUGGED DESIGN

MIL-STD rugged construction



CLEAR & LOUD AUDIO

High power speaker for noisy environments



LONG BATTERY LIFE

Up to 19 hours of operation



EASY OPERATION

User-friendly interface for quick use



LET'S STAY CONNECTED

Scan the QR code to visit our website and discover more solutions.

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✉ info@tcc-eg.com

🌐 www.tcc-eg.com



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BUILT FOR EVERY MISSION

SPECIFICATIONS

GENERAL	IC-V86	IC-U86
Frequency range (TX/RX guaranteed range)	136-174 MHz	EXP1 : 400-472 MHz EXP2 : 330-400 MHz
Type of emissions	F2D, F3E (FM, FM-N)	
Number of channels	207 channels (200 memory channels, 1 call channel and 6 scan edges)	
Antenna impedance	50 Ω	
Power supply requirement	7.5 V DC	
Operating temperature range	-20 °C to +60 °C, -4 °F to +140 °F	
Frequency stability	±2.5 ppm (-20 °C to +60 °C, -4 °F to +140 °F)	
Current drain		
TX (Hi/Mid/Low)	1.4/1.0/0.5 A typical	EXP1: 1.5/1.0/0.5 A typical EXP2: 1.4/0.9/0.5 A typical
RX (Max. audio)	450 mA typ. (INT SP), 200 mA typ. (EXT SP)	450 mA typ. (INT SP), 200 mA typ. (EXT SP)
Dimensions (W×H×D) (Projections not included)	58.6 × 112 × 30.5 mm, 2.3 × 4.4 × 1.2 in (with BP-298)	
Weight (Approximate)	300 g, 10.6 oz (with BP-298, FA-B57V)	290 g, 10.2 oz (with BP-298, FA-B57U)

TRANSMITTER

Output power	5/2.5/0.5 W (Hi/Mid/Low)	5/2/0.5 W (Hi/Mid/Low)
Maximum frequency deviation	±5.0 kHz/±2.5 kHz (Wide/Narrow)	
Spurious emissions	Less than -60 dB	
External microphone connector	3-conductor 2.5 (d) mm (1/10")/2.2 kΩ	

RECEIVER

Sensitivity	-124 dBm typical	EXP1: -121 dBm typical EXP2: -123 dBm typical
Squelch sensitivity	-126 dBm typical	EXP1: -123 dBm typical EXP2: -125 dBm typical
Selectivity (Wide/Narrow)	75 dB typical/70 dB typical	70 dB typical/68 dB typical
Intermodulation	65 dB typical	
Audio output power		
Internal speaker	1500 mW typical (with 8 Ω load)	
External speaker	550 mW typical (with 8 Ω load)	
External speaker connector	3-conductor 3.5 (d) mm (1/8") / 8 Ω	

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

APPLICABLE U.S. MILITARY SPECIFICATIONS & IP RATING

Standard	MIL 810G	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	
Humidity	507.5	II	
Salt Fog	509.5	-	
Dust Blowing	510.5	I	
Vibration	514.6	I	
Shock	516.6	I, IV	

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

Ingress Protection Standard

Dust and Water | IP54 (Dust-protection, water resistance)

SUPPLIED ACCESSORIES :

(* May differ, depending on transceiver version)

- BP-298/BP-264, battery pack*
- BC-240, Desktop charger
- BC-242, AC adapter
- MB-124, belt clip
- Antenna*

OPTIONS

BATTERY PACKS & CASE



RAPID CHARGERS



DESKTOP CHARGER



MULTI-CHARGER



MULTI-CHARGER



*The AD-139/AD-120 charger adapters are supplied with the BC-214N/BC-197, depending on the charger version.

SPEAKER-MICROPHONES



EARPHONES

