ICOM

IC-F3263DT
VHF transceiver with full keypad

IC-F4263DT
UHF transceiver with full keypad

IC-F3263DS
VHF transceiver with simple keypad

IC-F4263DS
UHF transceiver with simple keypad

Full-Featured IDAS™ Digital Handheld
with Built-in GPS and Waterproof Protection

IDAS™
ICOM DIGITAL ADVANCED SYSTEM

Built-in GPS Receiver*

Man Down Function*

IP67 Waterproof Protection

800mW Audio Output Power

IDAS™ NXDN™ Features

**512 Memory Channels
with 128 Zones**

(* Depending on version)

Rugged MIL-STD 810   IP67   GPS

IDAS™: Improved, Enhanced & More Versatile

IP67 Waterproof & Dustproof Protection

The IC-F3263D series provides rugged protection against dust and water that is equivalent to IP67. The radio can withstand 1m depth of water for 30 minutes.

Man Down and Lone Worker Functions for Emergency Call

The man down function* automatically sends an emergency signal when the transceiver is left in a horizontal position. The lone worker function also can transmit an emergency signal when the radio is not operated for a preset period. These emergency signals can be sent with GPS position data* to alert your co-workers or dispatch of any potential trouble.

* Depending on version.

800mW (typ.) Audio Output Power

The built-in BTL amplifier doubles the audio output power and the large 40mm speaker delivers loud 800mW (typ.) audio to receive all calls under noisy environments.

IC-F3263DT
(Full keypad)

IC-F4263DS
(Simple keypad)

IDAS™ Features

The IC-F3263D series provides NXDN™ CAI-based IDAS digital mode operation. It is also compatible with NXDN™ Type-D multi-site trunking. The following IDAS features are programmable.
- Individual/group call
- Individual ID and talkgroup ID memories
- Status message • SDM (Short Data Message)
- GPS   • Stun, kill and revive
- Radio check   • Remote monitor
- Call alert   • Call log
- Emergency   • Digital voice scrambler
- Block decode   • RAN (Radio Access Number)

Built-in 2-Tone and 5-Tone*

2-Tone and 5-Tone signalings give you selective calling, quiet stand-by and other convenient functions. The radio stun and kill functions disable a radio over the air and the revive function restores the stunned radio.

MDC 1200 Compatible*

The built-in MDC signaling provides the following selective calling and ANI features.
- PTT ID   • SelCall   • Radio check
- Radio stun/revive   • 500 aliases
- Status message/request   • Call alert
- Emergency, emergency mic monitoring

Scan Features

The IC-F3263D series can detect both analogue and IDAS conventional signals and automatically selects the transmission mode to reply to the received call.

Built-in Voice Scrambler

The built-in inversion voice scrambler* provides secure conversation in analogue mode. When using IDAS digital mode, the digital voice scrambler provides a 15-bit key (about 32,000 codes) as standard.

* Inversion voice scrambler is not compatible with UT-109R/UT-110R voice scrambler.

Built-in GPS Receiver*

Your current position data can be attached to a voice or data (SDM, status or emergency signal) transmission and can be sent to dispatch stations*.

* Depending on version. * To show the received position data, an external PC application is required.

14-pin Accessory Connector

The new 14-pin accessory connector enhances audio output capabilities with the built-in BTL amplifier. The optional HM-184 speaker-microphone has a 1000mW (typ.) audio output for loud and clear communications.

Large Full Dot-Matrix LCD

Using a large full dot-matrix LCD (32 × 18 mm), the IC-F3263D series shows two lines of easy-to-read text messages. The bottom row shows assigned functions to the [P0] to [P3] buttons.

Long Lasting Battery Life

GPS type	Digital mode	Analogue mode
Built-in GPS type	10.5 hours (approx.)	11 hours (approx.)
Non GPS type	12 hours (approx.)	12.5 hours (approx.)

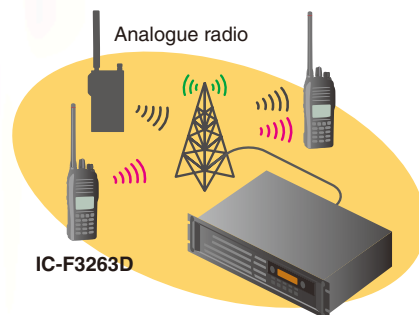* Typical operation in 5:5:90 duty cycle, power save on.

Other Features

- 512 memory channels with 128 zones
- 5W output power both in VHF and UHF
- Basic LTR™ mode operation*
- CTCSS/DTCS encoder/decoder*
- MIL-STD 810 G rugged construction
- 8 DTMF autodial memories
- Tactical group function
- Busy channel lockout, repeater lockout
- Voting scan*   • Power on password
- Time-out timer   • Talk around function
- Low battery alert • Escalating alarm
- Surveillance function
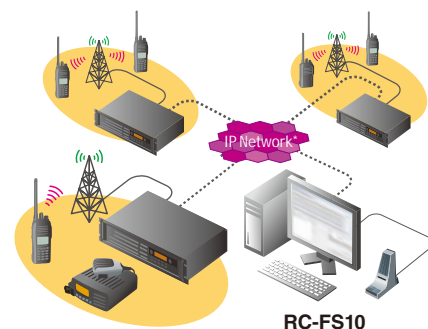- (* = Analogue mode only)
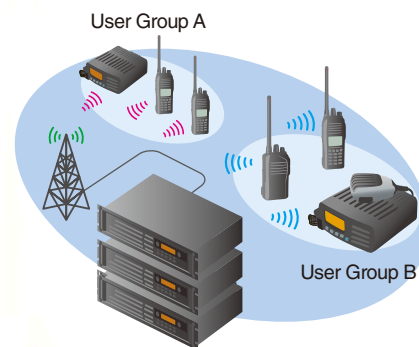
IDAS™ expands coverage and capacity

Conventional

Analogue radio

IC-F3263D

- 6.25kHz digital migration
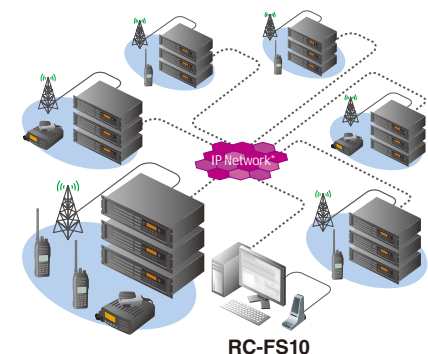- Digital/analogue mixed mode operation

Multi-Site Conventional

IP Network*

RC-FS10

- Up to 16 IDAS repeater sites connection over an IP network.
- RC-FS10, PC dispatch station

Type-D Single Site Trunking

User Group A

User Group B

- Distributed channel system which does not use a dedicated control channel
- Up to 30 channels per system
- Up to 2,000 individual IDs and up to 2,000 group IDs

Type-D Multi-Site Trunking

IP Network*

RC-FS10

- Distributed channel system
- Up to 30 channels per site and up to 48 sites connection over an IP network
- Up to 60,000 individual IDs and 60,000 group IDs with fleet management
- Automatic site roaming
- ESN authentication
- RC-FS10 PC dispatch

All advantages shown represent possible system configurations. Ask your Icom dealer to configure an IDAS system that works best for you.

*Note: Private IP Network or VPN tunnels through the Internet with static endpoints.

VHF DIGITAL/ANALOGUE TRANSCEIVERS
IC-F3263DT
IC-F3263DS

UHF DIGITAL/ANALOGUE TRANSCEIVERS
IC-F4263DT
IC-F4263DS

IC-F3263DT/DS · IC-F4263DT/DS

SPECIFICATIONS

	IC-F3263DT/DS	IC-F4263DT/DS
GENERAL		
Frequency coverage	136–174MHz	350–400MHz 400–470MHz 450–520MHz
Number of channels	512 channels/128 zones	
Type of emission	16K0F3E/8K50F3E/4K00F1E/F1D	
Channel spacing	25/12.5/6.25kHz	
Power supply requirement	7.5V DC nominal	

Current drain (approx.)
  Tx High (at 5W)
  Rx Rated output/Standby
	1.7A
	550mA/160mA
		1.8A
		550mA/160mA

Antenna impedance	50Ω	
Operating temperature range	−30°C to +60°C (Radio specifications)	
Dimensions (W×H×D) (Projections not included)	53.5×142.7×39.5 mm (With BP-232WP)	
Weight (approx.)	400g (With BP-232WP, MB-94R & FA-SC57U)	
TRANSMITTER		
Output power (at 7.5V DC)	5W, 2W, 1W (Hi, L2, L1)	
Max. frequency deviation	±5.0/±2.5kHz (Wide, narrow)	
Frequency stability	±1.0ppm	
Spurious emissions	78dB typ.	
FM Hum and noise	48/43dB typ. (W/N)	46/40dB typ. (W/N)
Audio harmonic distortion	1.5% typ. (AF 1kHz 40% deviation)	
FSK error	2.0% typ.	
Ext. microphone connector	14-pin multi-connector/2.2kΩ	
RECEIVER		
Sensitivity (Analogue) (Digital)	0.23μV typ. (at 12dB SINAD) 0.20μV typ. (at 5% BER)	
Adjacent channel selectivity	78/68/60dB typ. (W/N/D)	75/68/60dB typ. (W/N/D)
Spurious response rejection	76dB typ.	
Intermodulation rejection	75/75/66dB typ. (Wide, narrow, digital)	
Hum and noise	52/47dB typ. (W/N)	48/43dB typ. (W/N)
Audio output power (at 5% distortion)	800mW typ. (Internal SP, 12Ω load) 1000mW typ. (External SP, 8Ω load)	
Ext. speaker connector	14-pin multi-connector/8Ω	
GPS (Depending on version)		
Receiver channels	12 channels	
Time to first fix (cold start)	36 seconds typ. (at open sky)	
Horizontal accuracy	5m (at open sky)	

Measurements made in accordance with EIA/TIA-603.
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
Immersion	512.5	I
Vibration	514.6	I
Shock	516.6	I, IV

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

Ingress Protection Standard (IC-F3263D/F4263D, BP-232WP and HM-184)	
Dust & Water	IP67 (Dust-tight and waterproof protection)

Supplied accessories: (May differ according to version)
• Battery pack, BP-232WP • Belt clip, MB-94R • Antenna

OPTIONS

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

BATTERY PACK AND CASES
IP67

BP-232WP   BP-240   BP-261

Battery packs and cases	Type	Capacity
BP-232WP	Li-Ion 7.4V	2250mAh (min.) 2300mAh (typ.)
BP-240	LR03 (AAA) batteries × 6	
BP-261	LR6 (AA) batteries × 6	

REGULAR CHARGER
BC-147S[11]
BC-171
Charges the BP-232WP in 8–10 hours (approx.).

RAPID CHARGER
BC-145S[1]
BC-160
Charges the BP-232WP in 3 hours (approx.).

RAPID CHARGER
AD-106
BC-145S[1]
BC-119N
Charges the BP-232WP in 3 hours (approx.).

[1] BC-145/BC-147SA for 120V AC. SE for 230V AC. SV for 240V AC. BC-145SUK for 230V AC.

MULTI-CHARGER[2]
BC-157S
BC-197

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES
CP-23L
For use with BC-119N and BC-160
OPC-515L
For use with BC-119N
OPC-656
For use with BC-197

[2] The combination of **BC-121N** Multi-charger and **AD-106** Charger adaptor (6 pieces required) is also available.

SPEAKER-MICROPHONE
IP67
HM-184

ACC ADAPTOR
AD-118

BELT CLIPS
MB-93   MB-94   MB-94R

ZONE COPY CABLES
• OPC-1870:
Handheld to handheld cable
• OPC-1871:
Handheld to mobile cable

CHARGER ADAPTOR
• AD-122 for BP-232WP
AD-122 charger adaptor is supplied with the BC-197, depending on BC-197's version.

VEHICLE CHARGER BRACKET
MB-130 : For use with BC-160

LEATHER BELT HANGERS
MB-96N   MB-96F

STUBBY ANTENNAS
• FA-SC56VS: 150–162MHz
• FA-SC57VS: 160–174MHz
• FA-SC73US: 450–490MHz

CUT ANTENNAS
• FA-SC61VC: 136–174MHz
• FA-SC61UC: 380–520MHz

HIGH-GAIN ANTENNAS
• FA-SC62V: 150–160MHz
• FA-SC63V: 155–165MHz

ANTENNAS
• FA-SC25V: 136–150MHz
• FA-SC55V: 150–174MHz
• FA-SC25U: 400–430MHz

• FA-SC57U: 430–470MHz
• FA-SC72U: 470–520MHz
• FA-SC01U: 350–400MHz
• FA-SC02U: 330–380MHz
• FA-SC03U: 380–430MHz