



VHF AND UHF DIGITAL/ANALOG TRANSCEIVERS

**IC-F3261DT**

VHF transceiver with full keypad

**IC-F4261DT**

UHF transceiver with full keypad

**IC-F3261DS**

VHF transceiver with simple keypad

**IC-F4261DS**

UHF transceiver with simple keypad

# **Fully 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)



# IDAS™: Better, Improved & Enhanced

## IP67 Dust-tight & Waterproof Protection



The IC-F3261D 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 dispatcher to 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-F3261DT  
(Full keypad)

IC-F4261DS  
(Simple keypad)

## IDAS™ Features

The IC-F3261D 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-F3261D series can detect both analog and IDAS conventional signals and automatically selects the transmission mode to reply to the received call.

## Built-in Voice Scrambler

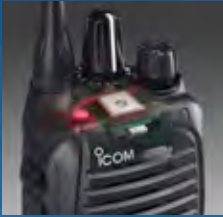
The built-in inversion voice scrambler\* provides secure conversation in analog mode. When using IDAS digital mode, the digital voice scrambler provides a 15-bit key (about 32,000 codes) as standard.

\* 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 provides a 1000mW (typ.) audio output for loud and clear communication.



### Large Full Dot-matrix LCD

Using a large full dot-matrix LCD (32 x 18 mm), the IC-F3261D 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	Analog mode
Built-in GPS type	10.5 hours (approx.)	11 hours (approx.)
Non GPS type	12 hours (approx.)	12.5 hours (approx.)

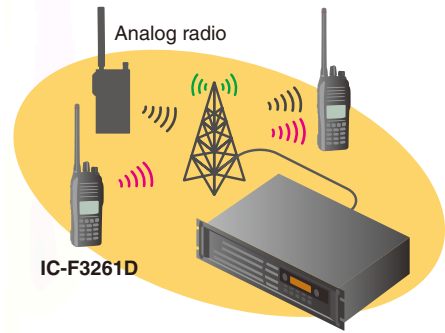
\* Typical operation in 5:5:90 duty cycle, power save on.

### 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
- (\* = Analog mode only)

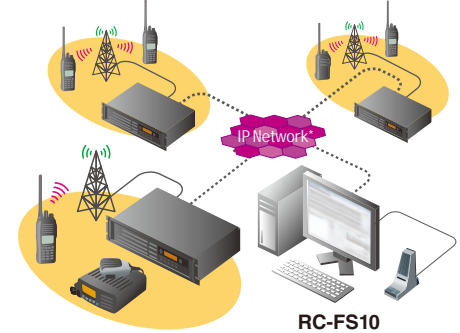
## IDAS™ expands coverage and capacity

### Conventional



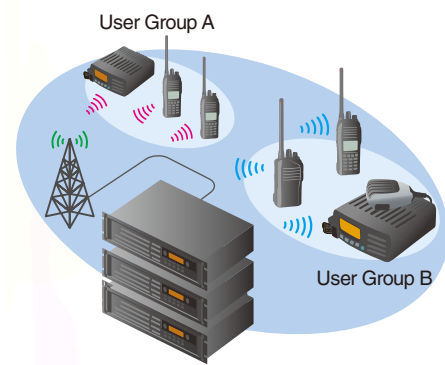
- 6.25kHz digital migration
- Digital/analog mixed mode operation

### Multi-site Conventional



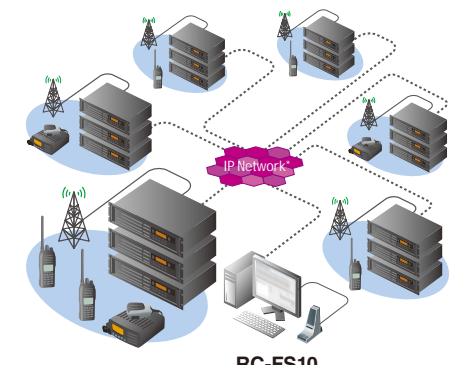
- Up to 16 IDAS repeater sites connection over an IP network.
- RC-FS10, PC dispatch station

### Type-D Single Site Trunking



- 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



- 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/ANALOG TRANSCEIVERS

**IC-F3261DT**  
**IC-F3261DS**

UHF DIGITAL/ANALOG TRANSCEIVERS

**IC-F4261DT**  
**IC-F4261DS**

## SPECIFICATIONS

	IC-F3261DT/DS	IC-F4261DT/DS
<b>GENERAL</b>		
Frequency coverage	136–174MHz	400–470MHz 450–512MHz
Number of channels	512 channels/128 zones	
Type of emission	11K0F3E/4K00F1E/F1D	
Channel spacing	12.5/6.25kHz	
Power supply requirement	7.5V DC nominal	
Current drain (approx.)		
Tx High (at 5W)	1.7A	1.8A
Rx Rated output/Standby	550mA/160mA	550mA/160mA
Antenna impedance	50Ω	
Operating temperature range	-30°C to +60°C; -22°F to +140°F (Radio specifications)	
Dimensions (W×H×D)	53.5×142.7×39.5 mm; 2.11×5.62×1.56 in (With BP-232WP)	
Weight (approx.)	400g; 14.1oz (With BP-232WP, MB-94R & FA-SC57U)	
<b>TRANSMITTER</b>		
Output power (at 7.5V DC)	5W, 2W, 1W (Hi, L2, L1)	
Max. frequency deviation	±2.5kHz (Narrow)	
Frequency stability	±1.0ppm	
Spurious emissions	78dB typ.	
FM Hum and noise	43dB typ. (Narrow)	40dB typ. (Narrow)
Audio harmonic distortion	1.5% typ. (AF 1kHz 40% deviation)	
FSK error	2.0% typ.	
Ext. microphone connector	14-pin multi-connector/2.2kΩ	
<b>RECEIVER</b>		
Sensitivity (Analog)	0.23μV typ. (at 12dB SINAD)	
(Digital)	0.20μV typ. (at 5% BER)	
Adjacent channel selectivity	68/60dB typ. (Narrow, digital)	
Spurious response rejection	76dB typ.	
Intermodulation rejection	75/66dB typ. (Narrow, digital)	
Hum and noise	47dB typ. (Narrow)	43dB typ. (Narrow)
Audio output power	800mW typ. (Internal SP, 12Ω load)	
(at 5% distortion)	1000mW typ. (External SP, 8Ω load)	
Ext. speaker connector	14-pin multi-connector/8Ω	
<b>GPS (Depending on version)</b>		
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-F3261D/F4261D, 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



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



Charges the BP-232WP in 8–10 hours (approx.).

### RAPID CHARGER



Charges the BP-232WP in 3 hours (approx.).

### RAPID CHARGER



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



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

### CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES



### SPEAKER-MICROPHONE



### ACC ADAPTER



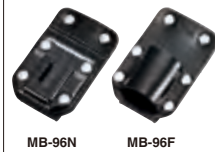
### BELT CLIPS



### VEHICLE CHARGER BRACKET



### LEATHER BELT HANGERS



### ZONE COPY CABLES

- OPC-1870: Handheld to handheld cable
- OPC-1871: Handheld to mobile cable

### CHARGER ADAPTER

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

### STUBBY ANTENNAS

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

### HIGH GAIN ANTENNAS

- FA-SC62V: 150–160MHz
- FA-SC63V: 155–165MHz

- FA-SC57U: 430–470MHz
- FA-SC72U: 470–520MHz

### CUT ANTENNAS

- FA-SC61VC: 136–174MHz
- FA-SC61UC: 380–520MHz

### ANTENNAS

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

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