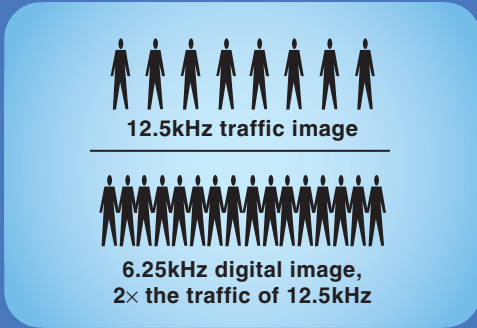


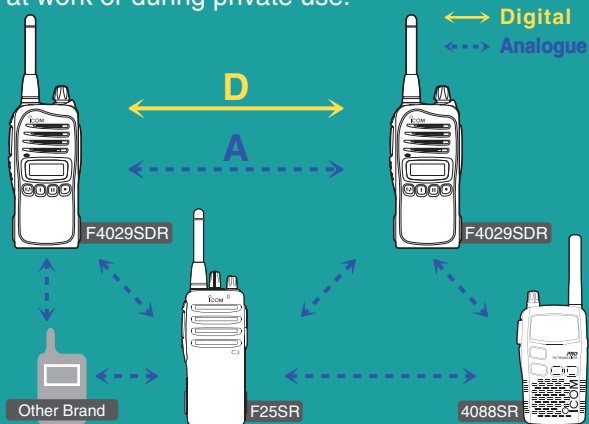
# 6.25kHz Spectrum Efficiency

Digital PMR446 utilises 4FSK/FDMA modulation and 6.25kHz digital narrow channel spacing, which is half the channel spacing of the existing analogue PMR446 system.



## Dual Mode Operation

The IC-F4029SDR is compatible with existing analogue PMR446 radios such as the Icom IC-F25SR, IC-4088SR or other brand radios. Utilise the advantages of digital technology while remaining in contact with analogue radios either at work or during private use.



## OPTIONS

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



**HM-158L**  
Compact size speaker-microphone



**HM-159L**  
Full size durable speaker-microphone



**HM-153L**  
Lapel type microphone with earphone



**HM-166L**  
Light weight earphone microphone



**HS-94 + VS-1L**  
Earhook headset with boom microphone



**HS-95 + VS-1L**  
Behind-the-head type with boom microphone



**HS-97 + VS-1L**  
Throat microphone with earphone



**SP-13**  
Earphone



**BC-160 + BC-145E/UK\***  
Rapidly charge the BP-232N in 3 hours (approx.)



**BC-171 + BC-147E**  
Charges the BP-232N in 10 hours (approx.)



**BC-121N + AD-106 (6 pcs.) + BC-157**  
Rapidly charges up to 6 battery packs. Six AD-106s are required.



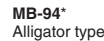
**BP-230N**  
7.4V/980mAh



**BELT CLIPS MB-93** (above)  
Swivel type



**BELT HANGERS MB-96F** (above)  
Fixed type.  
For use with MB-94.



**MB-94\***  
Alligator type



**MB-96N**  
Swivel type

**CLONING SOFTWARE CS-F4029**  
Allows quick and simple setting from a PC

**CLONING CABLES OPC-478** : RS-232C cable  
**OPC-478UC** : USB cable

\* Same as supplied

**Icom Inc.** URL: <http://www.icom.co.jp/world/index.html>

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**Count on us!**

Your local distributor/dealer:

**ICOM**

**DIGITAL PMR446 TRANSCEIVER**  
**IC-F4029SDR**

Digital **16ch**  
+  
Analogue **8ch**  
**LICENCE-FREE**



Actual Size

**DIGITAL**

## Digital secure conversation

Casual 'eavesdropping' by current scanner receivers is difficult at this stage.



## Status message function

Not only voice but also short data messages can be sent and received.

**DIGITAL**  
DIGITAL PMR446 TRANSCEIVER  
**IC-F4029SDR**

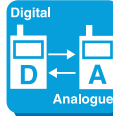
# IC-F4029SDR

## Licence-free digital PMR446 radio features



### DIGITAL 16 Ch

Digital PMR446 mode enhances your conversation security.



Fully compatible with existing analogue PMR446 radios.



32-code pre-fixed status messages can be sent and received.

(Digital mode only)



Ringer call allows you to check whether the receiver is in your communication range with a beep sound and bell icon.



Supplied battery pack, BP-231, provides up to 10 hours (approx.) of operating time.

Compact dimensions (53×139×32.5mm) and light weight (280g with BP-231).



Optional headset provides hands-free operation.



254 common ID code provides one-to-one or group conversation, so that others will not hear the conversation. (Digital mode only)



Supplied desktop charger, BC-160, charges the BP-231 in 2 hours (approx.).



### Other features

- Key lock function prevents unintended operation
  - Auto channel function searches for unoccupied channel\*<sup>1</sup>
  - Call-ring function can send a beep sound\*<sup>1</sup>
  - 4 channel zones and selected channel operation
  - Break-in request call\*<sup>2</sup>
- (\*<sup>1</sup> Analogue mode only, \*<sup>2</sup> Digital mode only)

### Specifications

- Usable channels : PMR446 All 8 ch (446.00625–446.09375MHz)  
Digital PMR446 All 16 ch (446.103125–446.196875MHz)
- Operating temperature : -25°C to +55°C
- Output power : 0.5W (ERP)
- Audio output power : 0.5W typical at 5% distortion with an 8Ω load
- Communication range\*<sup>2</sup>: Approx. 3km (Wide open space)

\* Communication range may differ depending on operational environment or weather conditions, etc.  
All stated specifications are subject to change without notice or obligation.