# IDAS™ products lineup

**VHF DIGITAL/ANALOG REPEATER**
**UHF DIGITAL/ANALOG REPEATER**

# IC-FR5100  IC-FR6100

**25W**

## Features

- Frequency coverage : 136-174MHz, 400-470MHz
- Number of channels : Max. 32 channels
- 19-inch rack mount design, 2U height low profile design
- 12-digit dot-matrix display and 32 memory channels
- Multiple CTCSS, DTCS tone and digital RAN code decode
- 25W output power at 100% duty operation
- "2 channel in 1 box" configuration (Optional UR-FR5100/UR-FR6100 required)
- 5-Tone and DTMF encoder/decoder (For analog FM mode)
- Accessory connector (D-sub 25-pin) for connecting analog trunking controllers or other external devices
- Audio compander (For Analog FM mode)
- Built-in inversion type voice scrambler and optional UT-109R/UT-110R for higher security (For analog FM mode)
- CW ID transmitter

## Options

**UC-FR5000**
**IDAS Trunking/Network Controller**
For IDAS Conventional IP network,
UC-FR5000 #02 required.
(or upgrade UC-FR5000 #01
with CF-FR5000MC)

**CF-FR5000MC**
**CF Card**
IP Network Upgrade Software
for UC-FR5000 #01.
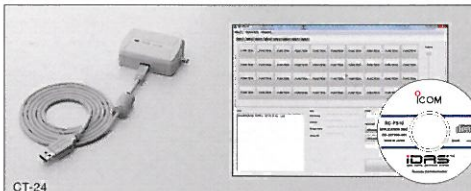* CF-FR5000MC is already
installed to UC-FR5000 #02.

**UR-FR5100 (VHF)**
**UR-FR6100 (UHF)**
**Channel Modules**

Two RF units can be installed in the unit.
(Left side is an option.)

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**Remote Communicator**

# RC-FS10

**CT-24**

**RC-FS10 Remote Communicator**
**CT-24 Digital Voice Converter (Supplied with RC-FS10)**
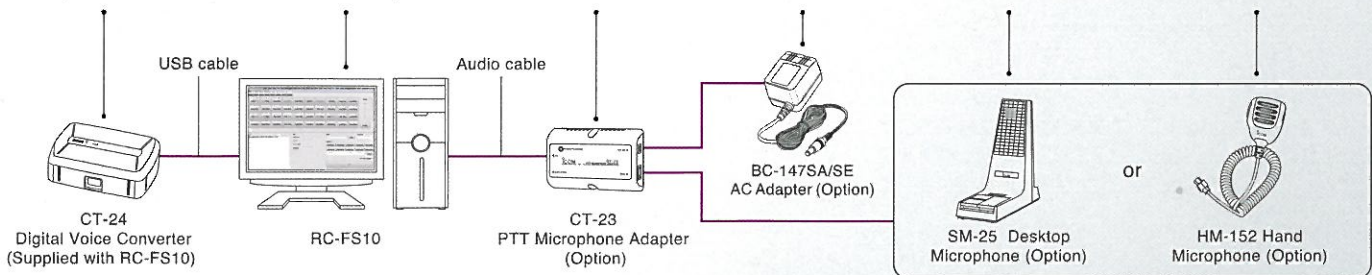
**CT-23 PTT Microphone Adapter**

**BC-147SA/SE**
**AC Adapter**

**SM-25 Desktop Microphone**

**HM-152 Hand Microphone**

USB cable          Audio cable

**CT-24**
**Digital Voice Converter**
**(Supplied with RC-FS10)**

**RC-FS10**

**CT-23**
**PTT Microphone Adapter**
**(Option)**

**BC-147SA/SE**
**AC Adapter (Option)**

or

**SM-25 Desktop**
**Microphone (Option)**

**HM-152 Hand**
**Microphone (Option)**

- CT-23 connects HM-152 or SM-25 microphone audio (RJ-45 jack) and PTT/Monitor signals to the 3.5mm stereo jack for connection with a PC. A stereo jack cable is supplied with the CT-23. AC adapter, BC-147SA/SE is required separately.

- The digital voice converter, CT-24, is a USB device which

converts microphone audio to an IDAS compatible digital signal. The remote communicator software will not work if the CT-24 is not connected.

- RC-FS10SDK: Allows you to develop IDAS compatible applications. (A non-disclosure agreement required)