

**Panasonic**  
Office Automation **OA**

**FAX Partner™**  
**FX-BM88/BM89**

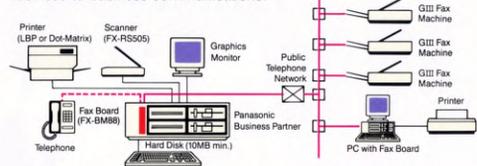
Facsimile Board  
with Application Software



# A Revolutionary Step for Facsimile Technology

Give your computer the power to access facsimile machines around the world.

The development of the Panasonic® Fax Partner™ lets you send and receive text and graphics with your PC automatically. The ability to tap into the facsimile network via computer will revolutionize your business-to-business communications.



## PC TO FAX COMMUNICATIONS

### Turn Your Computer into an Intelligent Facsimile Machine

The Panasonic Fax Partner is an add-on board that occupies a single expansion slot. It gives your Panasonic Business Partner™ or IBM® PC/XT/AT computer the ability to send, receive and edit facsimile messages (see system requirements on the back page).

## Send Text and Graphics Directly from Your Computer

The Fax Partner gives you the versatility to transmit information in a wide variety of formats. You can send a letter, spreadsheet, graphics or a combination of all three generated by your computer. Or simply import images from a separate scanner into your PC and transmit. The Fax Partner allows you to send directly to any CCITT Group III machine.



**FX-BM88**  
Facsimile Board for  
Panasonic Business  
Partner Series Personal  
Computers  
**FX-BM89**  
Facsimile Board for IBM  
PC/XT/AT Personal Computers

- PC to FAX Communications
- Ease of Use—Menu-Driven Software
- Non-Interruptive Operation
- Auto-Receive System
- Easy Message Transmission
- Re-Transmit on Error
- Graphics Editing
- Phonebook Utility
- Journal Recording
- Fast Transmission
- Polling and Scheduling
- Group III Compatible

**Receive Text and Graphics on Screen from Remote Fax Machines**  
With a Panasonic Fax Partner, your PC can automatically receive information sent from GIII fax machines. Using your computer's capabilities, you can edit or revise documents before re-transmitting or printing on your dot matrix or laser printer.

**PC to PC Communications**  
Direct communications between computers allows your business to increase security for confidential or sensitive information. Since received data goes directly to disk, there is no paper copy like that produced by conventional fax machines.

## With the Panasonic Fax Partner, You Can Transmit:

- ASCII text
- Paintbrush™ PCX files
- Screen captured images
- Scanned images

**...You Can Receive:**  
• Any image sent by a GIII facsimile machine.

**...You Can Store, View and Print:**  
• Any facsimile images received.

**...You Can Edit:**  
• Files and images of the kind which can be transmitted or received, as listed above.

## EASE OF USE

### Menu-Driven Software

No special training is needed to use the Fax Partner. Simply press the FAX button to bring up the main menu (on the FX-BM88). Then just press the key to select a choice.



## LED Function Indicators

Whenever the PC is sending or receiving a message, built-in LEDs light up to alert the operator. Flashing lights indicate operational errors, even if the PC is engaged in another task.



LED indicators of the FX-BM88 (left), and FX-BM89 (right).

**Built-in Speaker**  
You can also monitor transmissions through the built-in speaker. This permits instant identification of busy signals and helps confirm transfers.

## NON-INTERRUPTIVE OPERATION

Panasonic Fax Partner software stays resident in your PC's memory while you are working on other projects. Word processing, spreadsheets and other tasks are not interrupted when you send or receive files.

## AUTO-RECEIVE SYSTEM

Data sent to your PC will not interrupt your work. Images go directly onto your computer's hard disk. At your convenience you can review your "faxes" on screen, edit, print and save.

## EASY MESSAGE TRANSMISSION



## Auto-Dial Menu

Easy-to-use software lets you set up screens of file names and frequently called numbers. Simply follow the convenient menu prompts to choose destinations and files to be faxed. Numbers not on the list can be typed in directly.

## Group-Dial to Multiple Locations

You can set the Fax Partner to automatically send up to 10 files to 10 different destinations. As many as 10 files can be sent to each group destination, giving you the capacity to send up to 100 "faxes".

## Customized Lead File, Header and User Name

Specify your individual user name and standard header to be printed at the top of each page sent. In addition, you can specify the lead file, or cover page for each fax transmission.

## RE-TRANSMIT ON ERROR

If noise on the phone line causes your transmission to be interrupted, the Fax Partner will automatically re-transmit the error page.

## GRAPHICS EDITING

### Add Graphics to Your Faxes

Software resident in the Fax Partner allows you to edit images before they are sent or after they are received. You can create original graphics on screen or import images via the Panasonic Scanner (FX-RS505) or compatible scanning devices. Graphics can be sent alone or merged with text.

### Multi-Page Files

Conventional software saves each page in a separate PCX file. Fax Partner software can archive multi-page images as a single PCX file, simplifying the handling of lengthy image data.

### Desktop Publishing Applications

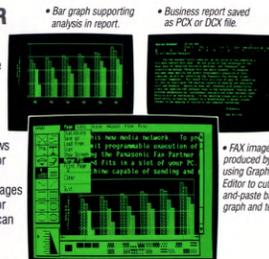
Both PCX and PIC graphics files are supported by the Fax Partner. So it's easy to incorporate high quality received images into other documents for printing on your laser printer.

## PHONEBOOK UTILITY

Menu prompts let you conveniently set up a directory of frequently used numbers. Update or print out the file any time.

## TRANSACTION JOURNAL RECORDING

A built-in journal traces all facsimile transactions and records time, date, size, send/receive mode and destination. The journal can be printed out or reviewed on screen whenever necessary.



• Bar graph supporting analysis in report.

• Business report saved as PCX or DCL file.

• FAX image produced by using Graphics Editor to cut-and-paste bar graph and text.

## FAST TRANSMISSION

Built-in 9600 bps modem circuitry sends your faxes quickly and efficiently. And re-transmission on error means you won't have to take the time to re-send faxes when there's noise on the phone lines.

## POLLING AND SCHEDULING

### Polling

Set up a polling system to let specified callers "pick up" their files. This frees the operator's time while still maintaining security for your information.

### Schedule Low-Cost Transmission

Programmable transmission schedule lets you choose when to send faxes. Save money by transmitting at night when rates are lowest. You can even request automatic re-transmission—as many times as you want—in case of busy signals or phone noise.

## CCITT GROUP III COMPATIBLE

The Panasonic Fax Partner operates under the CCITT Group III specification.

This worldwide standard helps assure broad compatibility with facsimile machines and PCs with facsimile capabilities.

## System Requirements

- Panasonic Business Partner series or IBM PC/XT/AT computer.
- 640KB RAM.
- MS-DOS™ version 3.1 or later.
- Hard disk (more than 10MB).
- 8-bit bus slot.
- Graphics monitor and graphics card.
- Telephone line.

## Supported Peripherals

### PRINTER

- Panasonic
- EPSON™
- IBM
- NEC™
- TOSHIBA™
- HP™ (LaserJet™™ Plus)
- Cordata™
- QMS™
- Tandy™
- Quadram™

### MOUSE

- Mouse Systems™
- Logitech™
- Microsoft™

### GRAPHICS ADAPTER

- Panasonic Graphics Adapter
- IBM Color Graphics Adapter
- IBM Enhanced Graphics Adapter
- Tecmar™ Graphics Master
- Hercules™ Monochrome Graphics Adapter

### SCANNER

- Panasonic
- Canon™
- Microtek™

## FX-BM88/BM89

## Technical Specifications

CPU	80188
RAM	256KB
ROM	16KB
MODEM	R96FAX
Compatibility	CCITT Group III (Modified Huffman)
Transmission Speed	9600/7200/4800/2400 bps Automatic fallback
Resolution	
Horizontal	200 LPI
Vertical	200 LPI or 100 LPI
Dialing	Tone or pulse dialing
Interface	RJ-11 (x 2)
Dimensions	9 3/4" x 4 1/4" x 3 1/4" (238 x 107 x 19 mm)

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\*2 IBM is a trademark of International Business Machines Corp.

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## Panasonic Scanner FX-RS505 (Option)

## The Fast and Convenient Way to Copy Graphics into Your Computer

The FX-RS505 is a high-speed scanner that is as easy to use as a photocopier, providing high-resolution output to a personal computer, via a plug-in board. The flatbed format allows scanning of any art, photos, or text. This makes it easy to incorporate images into computer files, without the use of digitizing tablets, cameras, or other inconvenient or time consuming devices.

## Product Features

- Compact dimensions. Handles legal and letter size paper.
- Flatbed design allows input of text/graphics from books or anything that can be copied on a photocopier.
- Fast operation of 2.955 msec./line.
- High resolution, selectable dots per inch.
- Interface board for Panasonic Business Partner series, IBM PC/XT/AT and compatibles.
- Two output modes: text and photo.
- 16-step gray scale.
- Highly dependable CCD sensor.
- Contrast control.

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## Technical Specifications

Scanning Area	8.5" x 14" (216 x 356 mm) (Legal, letter, invoice, etc.)
Resolution (selectable by software)	400 x 400 dpi (dots/inch) 300 x 300 dpi (dots/inch) 200 x 200 dpi (dots/inch)
Gray Scale Reading	16 gradations (photo 1/photo 2, two different dither patterns)
Scanning Speed	2.955 msec./line (variable as speed of host computers)
Output Mode	Text (bilevel) Photo (dithered bilevel)
Contrast Control	7 levels (text mode) 3 levels (photo mode)
Image Inversion (BW)	Possible Normal image (positive) Reverse image (negative)
Interface	13" special board 15-pin D-sub connector
Drop Out Color	Light green
Sensor	CCD
Luminous Source	FL lamp (green)
Shading Correction	Automatic (by hardware)
Power Supply	AC 115 V, 60 Hz
Dimensions (approx.) (W x D x H)	13 1/2" x 20 1/8" x 5 1/8" (343 x 516 x 130 mm)
Weight (approx.)	17.2 lbs. (7.8 kg)

\* The computer, scanner, mouse and all other devices pictured in this brochure are optional.

\* All monitor screen pictures are simulated.

Consult your dealer for details about supported peripherals.

For technical information, call (201) 392-4692.

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