

# Panasonic

OA

# Business Partner™

16-Bit Personal/Business Computers  
FX-600/FX-800



Preliminary

# A Real Choice in PC Compatibles

Enhanced performance and IBM PC/XT and AT compatibility are now available in two new personal/business computer systems from Panasonic.

Panasonic gives you what you look for in a personal computer. Expandable RAM and disk storage is built-in to handle today's applications. Fast microprocessor speeds accelerate performance. Expansion slots let you expand to meet future needs. A parallel (Centronics) port connects to most printers right away. A Panasonic CGA PLUS option offers switchable color/monochrome and enhanced text/graphics modes. DOS and BASIC are supplied so you don't have to pay extra. You also get a built-in clock and detached deluxe keyboard. All this, plus one big benefit—the reliability assured by Panasonic's quality control production system.

## Ready for Tomorrow's Computing Needs

### Expandability

Hardware compatible option slots let you use add-on cards for hi-resolution graphics, mouse, communications and other performance enhancements. The large 130 W (FX-600) or 220 W (FX-800) power supply means that your additional boards operate reliably when you expand the power of your Panasonic computer system. In the FX-600 you have a total of six slots, four long and two short.

The FX-800 offers ten slots, seven long and three short.

### Flexibility

There is space for four half-height storage devices so you can choose from a flexible range of configurations. These spaces may be used for floppy drives and hard disks. In fact, two of the spaces may be used for installation of a full height hard disk.

### High-Speed CPU Operation

The FX-600's 8086-2 processor is switchable to run at the standard 4.77 MHz or at the high speed of 7.16 MHz, dramatically accelerating the execution of many applications. The FX-800 uses the same 80286 chip as the IBM AT, running at 6 MHz or 8 MHz and has the capability of addressing up to 15 MB (1 MB of which is installable on the motherboard). For faster number crunching you can add an 8087-2 (FX-600) or 80287 (FX-800) co-processor chip which installs in a socket reserved on the motherboard.

### Built-In Clock Calendar

The Panasonic FX-600 and FX-800 computers come supplied with an internal clock calendar backed up by a battery. This is accessed by many programs and saves you the trouble of manually setting the time and date every time you turn on the computer. Thanks to this built-in clock, you get an automatic and up-to-the-minute date-stamp on your files.

### Built-In Parallel Port

Panasonic thinks you shouldn't have to pay extra for the essential capability of printing out your data. The computer comes ready to connect to any printer equipped with a Centronics parallel port.

### Optional Graphics Adaptor

The optional Panasonic CGA PLUS board is switchable to let you use a color or monochrome display for both graphics and text. In the monochrome mode the display can show color graphics (16-color) as shades and enhanced text character. Needless to say, this board is IBM color graphics adaptor compatible.

### LED Indicators

The comfortable keyboard has LED Indicators to confirm the status of the Caps Lock, Num Lock, and Scroll Lock keys. Front panel indicators show power-on, processor speed, and hard disk operation.

### Independent Cursor Control Keys

Besides the number keys, a separate block of cursor keys are provided on the keyboard. This is particularly convenient in applications where there is much numeric input.

### Lock (FX-800)

First, you can lock the keyboard electronically to prevent accidental or malicious input. Second, you can mechanically lock the cabinet with a key which helps prevent tampering and security breaches.



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## FX-600

16-Bit Personal Computer

- 8086-2 processor switchable between 4.77 and 7.16 MHz.
- Socket for 8087-2 co-processor.
- 256 K RAM, expandable to 640 K on motherboard.
- Six slots: four for long boards and two for short.
- Large 130 W power supply.
- 95-key keyboard with indicators (IBM PC/XT plug compatible).
- Centronics parallel port.
- Panasonic CGA PLUS (color graphics adaptor) option has enhanced text and graphics modes for both color and monochrome monitors.
- Battery backed clock/calendar.
- Supplied with MS-DOS 3.1, GWBASIC 3.0, and diagnostics.
- 20 MB or 40 MB hard disk is available.

FX-600F1: One half-height 5-1/4" floppy drive (360 K)

FX-600: Two half-height 5-1/4" floppy drives (360 K x 2)

## FX-800

### 16/24-bit Business Computer

- 80286 (16/24 bit) processor at 6 MHz or 8 MHz (switchable).
- 512 K RAM, expandable to 1 MB on motherboard.
- Ten slots: seven for long boards and three for short.
- Hefty 220 W power supply.
- Enhanced text and graphics modes supported in both color and monochrome using optional controller card.
- 95-key keyboard with indicators (IBM AT plug compatible).
- Mechanical and software locking help prevent tampering.
- Supplied with MS-DOS 3.1, GWBASIC 3.0, and diagnostics.
- 20 MB or 40 MB hard disk is available.

FX-800F1: One half-height 5-1/4" floppy drive (1.2 MB with read-only PC standard 360 K capability)

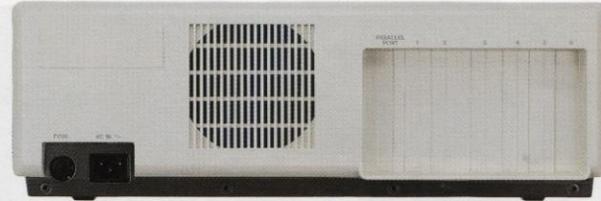
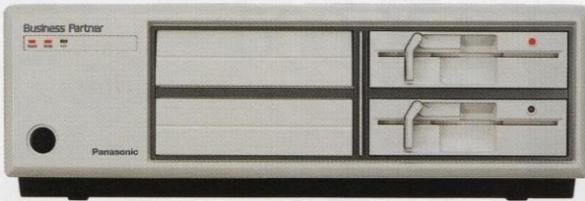
FX-800: Two half-height 5-1/4" floppy drives (1.2 MB/360 K x 1, 360 K x 1)

## Business Partner 286



# Business Partner

## FX-600 Technical Specifications (Tentative)



<b>MPU</b>	
<b>CPU</b>	8086-2 (16-bit), 4.77716 MHz
<b>Socket for co-processor</b>	8087-2 (16-bit), 4.77716 MHz
<b>MEMORY</b>	
<b>RAM</b>	
<b>Standard;</b>	256 K bytes
<b>Expandable up to;</b>	640 K bytes on motherboard 32 K bytes (BIOS/self check)
<b>ROM</b>	MS-DOS 3.1
<b>SOFTWARE O.S.</b>	GW BASIC 3.0 and DIAGNOSTICS
<b>STORAGE</b>	
<b>FX-600F1</b>	Half-height 5 1/4" floppy disk drive (360 K bytes) x 1 (double-sided, double-density)
<b>FX-600</b>	Half-height 5 1/4" floppy disk drive (360 K bytes) x 2 (double-sided, double-density)

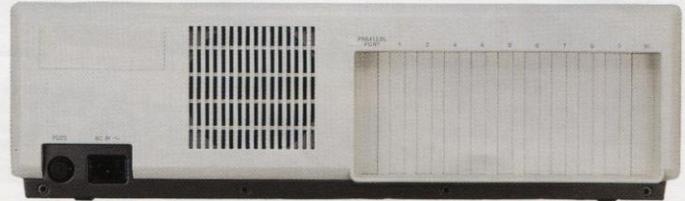
(20 MB or 40 MB hard disk is available.)

<b>KEYBOARD</b>	95 keys (IBM PC/XT compatible) including 10-key numeric pad 10 function keys Cursor keys Centronics parallel (DSUB 25-pin, female)
<b>I/O EXPANSION SLOT</b>	6 slots 4 slots for 13" long boards 2 slots for 5" short boards
<b>CONNECTION OUTLET</b>	<b>Keyboard</b> IBM PC/XT plug compatible (on the front panel) <b>Centronics</b> IBM compatible connector
<b>REAL TIME CLOCK</b>	Built on the motherboard (battery backed up) Power switch (on-off)
<b>CONTROL INDICATOR</b>	Power on
<b>Front panel</b>	Speed HDD

<b>Key tops</b>	Caps lock Num lock Scroll lock
<b>POWER SUPPLY</b>	AC 120 V, 60 Hz
<b>SECONDARY SUFFICIENT POWER</b>	130 W max.
<b>Dimensions (W x H x D)</b>	
<b>Main Unit</b>	445 x 148 x 403 mm (17 1/32" x 5 27/32" x 15 27/32")
<b>Keyboard</b>	531 x 30 x 181 mm (20 29/32" x 1 3/16" x 7 1/8") Angle 12-degree
<b>WEIGHT</b>	
<b>Main Unit</b>	
<b>FX-600F1;</b>	12.7 kg (28.0 lbs.)
<b>FX-600;</b>	13.7 kg (30.2 lbs.)
<b>Keyboard</b>	1.7 kg (3.7 lbs.)

# Business Partner 286

## FX-800 Technical Specifications (Tentative)



<b>MPU</b>	
<b>CPU</b>	80286 (16/24-bit), 6 MHz (default)/8 MHz
<b>Socket for co-processor</b>	80287 (16/24-bit), 6 MHz/8 MHz
<b>MEMORY</b>	
<b>RAM</b>	
<b>Standard;</b>	512 K bytes on motherboard
<b>Expandable up to;</b>	15 M bytes (1 MB max. on motherboard) 64 K bytes (BIOS/self check)
<b>ROM</b>	MS-DOS 3.1
<b>SOFTWARE O.S.</b>	GW BASIC 3.0 and DIAGNOSTICS
<b>STORAGE</b>	
<b>FX-800F1</b>	Half-height 5 1/4" floppy disk drive (1.2 M/360 K bytes) x 1 (double-sided, high-capacity, 360 K read only for PC files)
<b>FX-800</b>	Half-height 5 1/4" floppy disk drive (1.2 M/360 K bytes) x 1 (double-sided, high-capacity, 360 K read only for PC files) Half-height 5 1/4" floppy disk drive (360 K bytes) x 1 (double-sided, double-density)

(20 MB or 40 MB hard disk is available.)

<b>KEYBOARD</b>	95 keys (IBM AT compatible) including 10-key numeric pad 10 function keys Cursor keys Centronics parallel (DSUB 25-pin, female)
<b>I/O EXPANSION SLOT</b>	10 slots 7 slots for 13" long boards 3 slots for 5" short boards (Floppy disk drive controller short board occupies on a slot)
<b>CONNECTION OUTLET</b>	<b>Keyboard</b> IBM AT plug compatible (on the front panel) <b>Centronics</b> IBM compatible connector
<b>REAL TIME CLOCK</b>	Built on the motherboard (battery backed up) Power switch (on-off) Keyboard lock (spare key supplied)
<b>CONTROL INDICATOR</b>	Power on
<b>Front panel</b>	Speed HDD

<b>Key tops</b>	Caps lock Num lock Scroll lock
<b>POWER SUPPLY</b>	AC 120 V, 60 Hz
<b>SECONDARY SUFFICIENT POWER</b>	220 W max.
<b>Dimensions (W x H x D)</b>	
<b>Main Unit</b>	500 x 148 x 402 mm (19 11/16" x 5 27/32" x 15 27/32")
<b>Keyboard</b>	531 x 30 x 181 mm (20 29/32" x 1 3/16" x 7 1/8") Angle 12-degree
<b>WEIGHT</b>	
<b>Main Unit</b>	
<b>FX-800F1;</b>	13.0 kg (28.7 lbs.)
<b>FX-800;</b>	13.5 kg (29.8 lbs.)
<b>Keyboard</b>	1.7 kg (3.7 lbs.)

### Panasonic CGA PLUS (FX-BG171, optional Color Graphics Adaptor)

<b>CRT CONTROLLER</b>	
<b>Color</b>	
<b>Text mode;</b>	80 columns x 25 lines (640 x 200) (8 x 8 dots/character box) 40 columns x 25 lines (320 x 200) (8 x 8 dots/character box)
<b>Graphics mode;</b>	640 x 200 dots (2 colors) 320 x 200 dots (4 colors) IBM color display adaptor compatible
<b>Monochrome</b>	
<b>Text mode;</b>	80 columns x 25 lines (640 x 350) (8 x 14 dots/character box) (16 shades) 40 columns x 25 lines (320 x 350) (8 x 14 dots/character box) (16 shades)

<b>Graphics mode;</b>	640 x 200 dots (2 shades) 320 x 200 dots (4 shades) Software for IBM compatible color graphics adaptor only
<b>CONNECTION RGB</b>	IBM compatible connector (on the graphics board)
<b>Composit</b>	IBM compatible connector (on the graphics board)

(optional CRT & graphics long board occupies on a slot)

<b>Other Optional Accessories</b>	
<b>FX-ZH6541;</b>	Panasonic PC stand
<b>C1350;</b>	13" diagonal color computer display
<b>C1310;</b>	13" diagonal color computer display
<b>TR-125M9T;</b>	12" diagonal monochrome computer display

FX-600 and FX-800 BIOS are proprietary of Matsushita Electric Industrial Co., Ltd.  
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