



# Specifications

## ● Main Specifications

<b>Model No.</b>		CF-18FHAZXBM	CF-18GHAZXBM	CF-18FHZXBM	CF-18GHZXBM
<b>CPU</b>		Intel® Pentium® M Processor 733 (1.10 GHz, 2 MB*1 L2 cache, 400 MHz FSB)			
<b>Memory</b>		256 MB*1 (1280 MB*1 Max.)		512 MB*1 (1536 MB*1 Max.)	
<b>Video Memory</b>		UMA (64 MB*1 Max.)*2			
<b>LCD</b>	<b>Type</b>	10.4 type (TFT)			
	<b>Displayed Colors*3</b>	65,536/16,777,216 colors (800 x 600 dots/1024 x 768 dots)			
<b>External Display</b>		65,536/16,777,216 colors (800 x 600 dots/1024 x 768 dots/1280 x 1024 dots)*4			
<b>Hard Disk Drive</b>		40 GB*5		60 GB*5	
<b>Keyboard</b>		Windows keyboard (82 keys)			
<b>Pointing Device</b>		Touch Pad Touchscreen (Anti-Reflection, Stylus (included) touch capable)			
<b>PC Card Slot</b>		Two Type I or Type II, or one Type III			
<b>Allowable current (total for two slots)</b>		3.3 V: 400 mA, 5 V: 400 mA			
<b>RAM Module Slot*6</b>		200-pin, 2.5 V, SO-DIMM, DDR-SDRAM, PC2100 Compliant			
<b>Interface</b>	<b>Serial Port</b>	Dsub 9-pin Male			
	<b>Microphone Jack*7</b>	Miniature jack, 3.5 DIA			
	<b>Headphone Jack</b>	Miniature jack, 3.5 DIA			
	<b>USB Port</b>	4-pin x 2, USB2.0			
	<b>Modem</b>	RJ-11 Data:56 kbps (V.92 & K56flex*8) FAX:14.4 kbps			
	<b>LAN</b>	RJ 45 IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX			
	<b>Wireless LAN</b>	Built-in  page 48	—	Built-in  page 48	—
	<b>Expansion Bus Connector</b>	Dedicated 100-pin female			
<b>External Antenna Connector</b>		Dedicated 50 Ω coaxial connector x 2			
<b>Speaker</b>		Monaural Speaker			
<b>Sound</b>		AC '97 2.1 Compatible, 18 bits full duplex stereo			
<b>Battery Pack</b>		Li-ion 7.4 V, 7.05 Ah			
	<b>Operating Time*9</b>		Approx. 4.5 hours - 8.5 hours*10 (Approx. 6.5 hours*11)		
	<b>Charging Time*9</b>	<b>Power On</b>	Approx. 7 h		
		<b>Power Off</b>	Approx. 4 h		
	<b>Clock Battery</b>		Coin type lithium battery 3.0 V		
<b>AC Adaptor*12</b>		Input : 100 V - 240 V AC, 50 Hz / 60 Hz    Output : 16.0 V DC, 2.5 A			
<b>Power Consumption*13</b>		Approx. 18 W*14 / Approx. 41 W (maximum when recharging in the ON state)			
<b>Environment</b>	<b>Operation</b>	<b>Temperature</b>	5 °C to 35 °C {41 °F to 95 °F}		
		<b>Humidity</b>	30% to 80% RH (No condensation)		
	<b>Storage</b>	<b>Temperature</b>	-20 °C to 60 °C {-4 °F to 140 °F}		
		<b>Humidity</b>	30% to 90% RH (No condensation)		
<b>Physical Dimensions*15 (W X H X D)</b>		271 mm X 49 mm X 216 mm {10.7 " X 1.93 " X 8.5 "}			
<b>Weight*15</b>		Approx. 2.1 kg {Approx. 4.5 lb.}			

\*1 1 MB = 1,048,576 bytes

\*2 A segment of the main memory is allotted automatically depending on the computer's operating status. The size of the Video Memory cannot be set by the user.

\*3 A 16,777,216 color display is achieved by using the dithering function.

\*4 Maximum resolution depends on the specifications of the external display.

\*5 1GB = 1,000,000,000 bytes. Your operating system or some application software will report as fewer GB.

\*6 Only a RAM card designed for PC2100 can be added.

\*7 Use only a monaural condenser microphone.

\*8 The settings for the K56flex modem need to be changed according to the AT command.

\*9 Varies depending on the usage conditions, CPU speed, etc.

\*10 Measured using BatteryMark™ Version 4.0.1 (LCD brightness: Maximum - Minimum)

\*11 Measured using MobileMark™ 2002 (LCD brightness: 60 cd/m<sup>2</sup>)

\*12 <Only for North America>

The AC adaptor is compatible with power sources up to 240 V AC adaptor. The computer is supplied with a 125 V AC compatible AC cord.

\*13 Approx. 0.7 W when the battery pack is fully charged (or not being charged) and the computer is off.

Approx. 1.5 W when the Wake up from LAN function has been enabled.

\*14 Rated power consumption.

\*15 The dimensions and weight do not include the hand strap.

# Specifications

## ● Wireless LAN (only for models with wireless LAN)

<b>Data transfer rates</b>	IEEE802.11a: 54/48/36/24/18/12/9/6 Mbps (automatically switched)
	IEEE802.11b: 11/5.5/2/1 Mbps (automatically switched)
	IEEE802.11g: 54/48/36/24/18/12/9/6 Mbps (automatically switched)
<b>Standards supported</b>	IEEE802.11a/IEEE802.11b/IEEE802.11g
<b>Transmission method</b>	OFDM system, DSSS system
<b>Wireless channels used</b>	IEEE802.11a: Channels 36 to 64, 149 to 165
	IEEE802.11b/IEEE802.11g: Channels 1 to 11
<b>RF frequency band</b>	IEEE802.11a: 5.18~5.32 GHz, 5.725~5.825 GHz
	IEEE802.11b/IEEE802.11g: 2412~2462 MHz

## ● Software

<b>Operating System</b>	Microsoft® Windows® XP Professional Service Pack 2 with Advanced Security Technologies (NTFS File System)
<b>Utility Programs</b>	Setup Utility DMI Viewer Adobe Reader Intel® PROSet/Wireless Software* <sup>16</sup> Panasonic Hand Writing Software Keyboard Display Rotation Tool PC Information Viewer Hard Disk Backup Utility* <sup>17</sup> Hard Disk Data Erase Utility* <sup>17</sup> Icon Enlarger Loupe Utility Hotkey Settings

\*<sup>16</sup> Only for models with wireless LAN.

\*<sup>17</sup> The Product Recovery CD-ROM is required.