

Panasonic

ideas for life

Panasonic recommends
Windows Vista® Business



TOUGHBOOK CF-H1

The first fully-rugged Mobile Clinical Assistant(MCA)*¹
for medical professionals

OS	Genuine Windows Vista® Business Service Pack 1
CPU	Intel® Atom™ Processor Z540 (1.86 GHz, 512 KB* ² L2 cache, 533MHz FSB)
Color TFT-LCD	10.4" XGA
HDD	80 GB* ³
RAM	1 GB* ²

Resistant to chemical
disinfectants*⁴



Ergonomically designed
handle & hand strap,
round shape at back



Cradle with battery
charger*⁵ available.
(Option)




 High-brightness LCD (500 cd/m²)*⁶

Cutting edge MCA(Mobile Clinical Assistant)*¹
technology for computer automation
of the nursing industry

 Shock-resistant body ensured by a
90-cm (36 in) free-fall test.*⁷

Hot swappable battery.
Change it while the power is on.

 Operates with the standard battery
for approx. 6 hours.*⁸

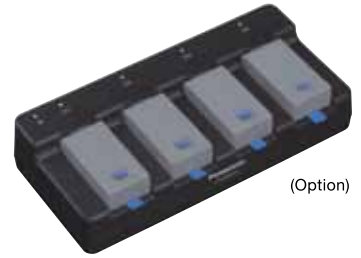
Widely customizable and expandable
GPS, Wireless WAN

*1 This platform, which offers specific features for the healthcare market, was put forth by Intel Corporation. Hardware elements essential to a mobile PC in the healthcare market such as WiFi and Bluetooth wireless communication functions, data acquisition functions such as RF-ID reader and barcode reader, fingerprint reader, and built-in camera are included as well as MCA-compatible applications. *2 1 KB = 1,024 bytes, 1 MB = 1,048,576 bytes, 1GB = 1,073,741,824 bytes. *3 The HDD is 1 GB (1,000,000,000 bytes) in capacity. The actual capacity may be less than displayed, depending on the OS and application software. *4 Clear the test for chemical substances (alcohol, hypochlorous acid, etc.). *5 Uses AC adapter bundled with CF-H1. *6 Average luminance in the middle of the screen at the time of shipping. This may change depending on the environment and length of use. *7 Test conducted in non-operating condition. The shock resistance, vibration resistance, dust-proof, and splash-proof functions are not a guarantee against damage or malfunction. *8 The period of battery operation time varies according to the operating environment, LCD brightness, and system settings. Measured using MobileMark® 2007 (LCD brightness: 60 cd/m²).

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(Option)



(Option)



From paper to mobile terminal, MCA is solving problems and changing the way nurses work.

Visually check patients and medicines.

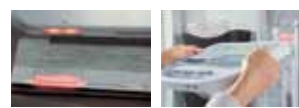
Possibility of dosage error

Fill in body temperature and blood pressure into medical report.

Possibility of entry mistake

Return to nursing station and enter into electronic medical report.

Inefficient



Easy and sure verification of patients and medicines is possible using RF-ID reader and barcode reader.



Enter body temperature and blood pressure, etc., directly into electronic medical report and also refer to past records without having to leave.

With no need to transfer records, nurse accuracy and efficiency are increased.

CF-H1

Model No.	CF-H1 Series	
OS ^{*1}	Base OS	Genuine Windows Vista® Business Service Pack 1
	Optional OS ^{*2}	Genuine Windows® Downgrade XP Tablet with SP3
CPU/Secondary cache memory	Intel® Atom™ Processor Z540 (1.86 GHz, 512 KB ^{*3} L2 cache, 533 MHz FSB)	
Chipset	Intel® System Controller Hub	
Main Memory ^{*3}	1 GB DDR2 SDRAM (1 GB Max.)	
Video Memory ^{*3,4}	256 MB MAX. (UMA)	
Hard Disk Drive ^{*5}	80 GB (Serial ATA)	
Display Method	10.4" XGA type (TFT)(1024 X 768 dots)	
	Internal LCD	65,536/16,777,216 colors (1024 x768 dots) ^{*6}
Wireless LAN	Intel® WiFi Link 5100 IEEE802.11a(W52/W53/W56) /b/g compliant, IEEE802.11n (Draft 2.0) compliant ^{*7}	
Bluetooth®	Version 2.0 + EDR / Class1	
Sound	WAVE and MIDI playback, Monaural speaker, Intel® High Definition Audio Interface 24bit full duplex stereo, AC97Rev2,3 Compliant	
Security Chip	TPM (TCG V1.2 compliant) ^{*8}	
Interface	Expansion bus connector, Camera, RF-ID reader, Fingerprint reader, 2D Barcode reader (option)	
Pointing Device	Dual Touch (Touch Panel with Anti-Reflection , Digitizer)	
Power Supply	AC adaptor or Battery pack	
AC Adaptor ^{*9}	Input: 100 V to 240 V AC, 50 Hz / 60 Hz, Output: 16.0 V DC, 3.75 A	
Battery Pack (typ.)	Li-ion 7.2 V, 2900 mAh x 2 packs	
	Operating Time ^{*10}	Approx. 6 hours ^{*11}
	Charging Time ^{*10}	Approx. 7 hours (Power off) / Approx.13 hours (Power on)
Power Consumption ^{*12}	Approx. 30 W ^{*13} / Approx. 60 W (Maximum when recharging in the ON state)	
Physical Dimensions (W x D x H) (excluding the carrying handle)	264 mm x 268 mm x 58 mm-34 mm (10.4" x 10.6" x 2.3"-1.3 ")	
Weight (including the hand strap)	Approx. 1.5 kg (Approx. 3.4 lb.)	
Operation Environment	Temperature: 5 °C to 35 °C (41 °F to 95 °F) Humidity: 30% to 80% RH (No condensation)	
Storage Environment	Temperature: -20 °C to 60 °C Humidity: 30% to 90% RH (No condensation)	
Utility Programs	Adobe Reader 8, PC Information Viewer, Keyboard Button Manager, Intel® PROSet / Wireless WiFi Connection Utility, Bluetooth® Stack for Windows® by TOSHIBA, Wireless Switch Utility, Battery Recalibration Utility, Infineon TPM Professional Package ^{*14} Dashboard, Cleaning Utility	

^{*1} Operations of this computer are not guaranteed except for the pre-installed OS. ^{*2} When 25 or more units will be purchased in one year. This is a model pre-installed with Windows XP Professional and prepared on behalf of customers who purchased a Windows Vista Business model and wish to exercise their right to downgrade the OS. ^{*3} 1 MB = 1,048,576 bytes. 1GB = 1,073,741,824 bytes. ^{*4} 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. ^{*5} 1 GB = 1,000,000,000 bytes. Your operating system or some application software will report as fewer GB. ^{*6} A 16,777,216 color display is achieved by using the dithering function. ^{*7} IEEE 802.11n is draft version. When use Wireless LAN access point compliant to J52, need to upgrade firmware of Wireless LAN access point side to W52 compliant. ^{*8} Need to set-up TPM Professional Package. Refer to the Installation Manual of "TrustedPlatform Module (TPM)". ^{*9} The AC adaptor is compatible with power sources up to 240 V AC adaptor. This computer is supplied with a 125 V AC compatible AC cord. ^{*10} Varies depending on the usage conditions. ^{*11} The period of battery operation time varies according to the operating environment, LCD brightness, and system settings. Measured using MobileMark® 2007 (LCD brightness: 60 cd/m²). ^{*12} Approx. 0.9 W when the battery pack is fully charged (or not being charged) and the computer is off. ^{*13} Rated power consumption. ^{*14} Must be installed before use.

As an ENERGY STAR® Partner, Panasonic Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. Active Matrix color display conforms to industry standards. Some displays may contain isolated illuminated or dark pixels as an artifact of the manufacturing process (effective pixels: minimum 99.998%, defect pixels: maximum 0.002%). Panasonic and TOUGHBOOK are brand names and registered trademarks of Panasonic Corporation. Acrobat® is a registered trademark of Adobe® Systems Incorporated. Intel, the Intel logo, Intel Atom, Intel Atom Inside are trademarks of Intel Corporation in the United States and other countries. Microsoft®, Windows® and Windows Vista® are trademarks of Microsoft® Corporation of the United States and/or other countries. All other brand names shown are the registered trademarks of the relevant companies. All rights reserved. All working conditions, times and figures quoted are optimum or ideal levels and may differ as a result of individual and local circumstances.

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