



# TOUGHBOOK CF-U1

Extremely-rugged Ultra Mobile PC that withstands shocks, spills, and dust

OS	Genuine Windows® 7 Professional
CPU	Intel® Atom™ Processor Z530 (1.6 GHz, 512 KB*, L2 cache, 533MHz FSB)
Color TFT-LCD	5.6" WSVGA
SSD	64 GB*2 (Flash-Memory Drive)
RAM	2 GB*1

Use of transfective LCD to increase brightness of the LCD under the direct sunlight.

### Outside

Clear and Sunny day  
200,000 lx

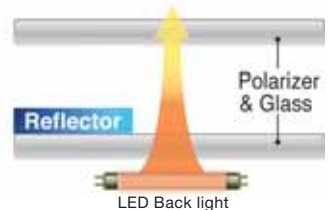


Brightness approx. 6,000cd/m².  
(for reference only, depend on tilt of reflector and sunlight)

LED Back light automatically Backlight off to reduce power consumption.


### Inside

Brightness approx. 380cd/m².



 Shock-resistant body ensured by a 120-cm (48 in) free-fall test.\*4

Comes with Intel® Atom™ processor, Intel®'s smallest CPU fabricated with the world's smallest transistors.

 Operates with the standard battery for approx. 9 hours.\*5

Widely customisable and expandable GPS, Wireless WAN, Fingerprint Scanner, Camera, Barcode reader

Includes hand strap to facilitate handheld use.

Cradle with battery charger\*3 available. (Option)

\*1 1 KB = 1,024 bytes. 1 MB = 1,048,576 bytes. 1 GB = 1,073,741,824 bytes. \*2 1 GB = 1,000,000,000 bytes. Your operating system or some application software will report as fewer GB. \*3 Uses AC adapter bundled with CF-U1. \*4 Test conducted in operating condition. The shock resistance, vibration resistance, dust-proof, and splash-proof functions are not a guarantee against damage or malfunction. \*5 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).

\* The shock resistance, vibration resistance, dust-proof, and splash-proof functions are not a guarantee against damage or malfunction.

# Panasonic recommends Windows® 7.



(Option)



(Option)



CF-U1	
Model No.	CF-U1G Series
OS*1	Genuine Windows® 7 Professional
CPU/Secondary cache memory	Intel® Atom™ Processor Z530 (1.6 GHz, 512 KB <sup>3</sup> L2 cache, 533 MHz FSB)
Chipset	Intel® System Controller Hub
Main Memory	2 GB <sup>5</sup> DDR2 SDRAM (2 GB Max.)
Video Memory	256 MB <sup>6</sup> Max. <sup>4</sup>
Flash Memory Drive	64 GB <sup>5</sup>
Display Method	5.6 WSVGA type (TFT) (1024 x 600 dots), Transflective LCD, 65,536 / 16,777,216 colors (800 x 600 dots / 1024 x 600 dots / 1024 x 768 dots) <sup>8</sup>
Wireless LAN	Intel® WiFi Link 5100 IEEE802.11a (W52/W53/W56) /b/g/n compliant <sup>7</sup> , Intel® WiMAX/WiFi Link 5150
Bluetooth®	Version 2.1 + EDR
Sound	WAVE and MIDI playback, Monaural speaker, Intel® High Definition Audio subsystem support
Security Chip	TPM (TCG V1.2 compliant) <sup>8</sup>
Card Slot	SD Memory Card Slot <sup>9</sup> x 1
Interface	USB port (4-pin, USB 2.0) <sup>10</sup> x 1, Microphone Jack (Miniature jack, 3.5 DIA, Stereo), Headphone Jack (Miniature jack, 3.5 DIA, Impedance 32 Ω, Output Power 4 mW x 2, Stereo), Expansion Bus Connector (Dedicated 19-pin female)
Keyboard / Pointing Device	61 keys English Mini QWERTY Keyboard / Touchscreen
Button	Scroll (up / down), Zoom (up / down) Application x 4
Power Supply	AC adaptor or Battery pack
AC Adaptor <sup>11</sup>	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 <sup>12</sup>	Approx. 9 hours <sup>13</sup>
Charging Time <sup>12</sup>	Power on: Approx. 5.5 hours Power off: Approx. 5.5 hours
Power Consumption <sup>14</sup>	Approx. 15 W <sup>15</sup> / Max. 30 W (Maximum when recharging in the ON state)
Physical Dimensions (W x D x H) (including the hand strap)	184 mm x 151 mm x 57 mm (7.24" x 5.94" x 2.24")
Weight (including the hand strap)	Approx. 1.06 kg (Approx. 2.34 lb.)
Operation Environment	Temperature: 5 C to 35 C 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, Full Screen Zoom, Keyboard Button Manager, Intel® PROSet/Wireless WiFi Connection Utility, Bluetooth™ Stack for Windows®, by TOSHIBA, Wireless Switch Utility, Hotkey Settings, Battery Recalibration Utility, Infineon TPM Professional Package <sup>16</sup> , Setup Utility

\*1 Operations of this computer are not guaranteed except for the pre-installed OS and the OS which is installed by using the Product Recovery DVD-ROM provided by Panasonic. \*2 This is a model pre-installed with Windows XP Professional and prepared on behalf of customers who purchased a Windows 7 Professional model and wish to exercise their right to downgrade the OS. \*3 1 KB = 1,024 bytes / 1 MB = 1,048,576 bytes / 1 GB = 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. The size of Video memory is allotted depending on the operating system. \*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 When use Wireless LAN access point compliant to J52, need to upgrade firmware of Wireless LAN access point side to W52 compliant. \*8 For information on TPM, refer to the Installation Manual of "Trusted Platform Module (TPM)" by the following procedure. (Windows XP) \*9 This slot is compatible with High-Speed Mode. Operation has been tested and confirmed using Panasonic SD/SDHC Memory Cards with a capacity of up to 32 GB. Operation on other SD equipment is not guaranteed. \*10 Does not guarantee operation of all USB-compatible peripherals. \*11 <Only for North America> 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. \*12 Measured at (LCD brightness: 60 cd/m<sup>2</sup>) Varies depending on the usage conditions, or when an optional device is attached. \*13 Varies depending on the usage conditions, CPU speed, etc.. \*14 Approx. 0.9 W when the battery pack is fully charged (or not being charged) and the computer is OFF. \*15 Rated power consumption. \*16 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 colour display conforms to industry standards. Some displays may contain isolated illuminated or dark pixels as an artefact of the manufacturing process (effective pixels: minimum 99.998%).

RAM capacity calculated as follows:

1MB = 1,048,576 bytes. HDD capacity calculated as follows: 1GB = 1,000,000,000 bytes.

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## Numerous ways to customise for applications like these



- **At the construction site**  
Compact design makes it easy to handle when you are high up. With built-in GPS, you can receive a map of the work site to make getting there easily.



- **On the road**  
The built-in wireless WAN lets you access your company server so that you can easily verify or compare customer information.



- **At the warehouse**  
Using the built-in barcode reader, you can quickly and easily control inventory.