

Windows®. Life without Walls™.  
Panasonic recommends Windows 7.



# TOUGHBOOK CF-53

When it's worth doing better.

Tough, high-performance mobile PC with  
14.0" High Definition LED

OS	Genuine Windows® 7 Professional
CPU	Intel® Core™ i5-520M vPro™ Processor (2.5 GHz with Turbo Boost up to 3.2GHz)
Colour TFFLCD	14.0" HD (720p) LED 1366x 768 (optional 1000 nit Touchscreen)
HDD	320GB 5400rpm
RAM	4GB*1 (8 GB Max)

Magnesium Alloy Case with Handle



14" High Definition LED with Optional 1000 nit Touchscreen



Passed a 76 cm free-fall test\*3 and a 100-kgf pressurised vibration test\*4.



Spill-resistant keyboard\*5.



Built-in security chip (TPM)\*6 for data protection.

\*1 1 MB = 1,048,576 bytes/1 GB = 1,073,741,824 bytes. \*2 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. \*3 Carried out in Panasonic technical research lab. Test conducted in non-operating condition. \*4 Carried out in a Panasonic laboratory in non-operation mode. Vibration with pressure of 980 N (100 kgf) is applied uniformly over the top and bottom faces. \*5 Spill resistance applies to all of the keyboard. It does not apply to the side panel, battery section, speakers, and DVD drive when it is open. The Spill-resistant performance of the product does not guarantee that it will be free from damage or malfunction. If water is spilled onto it, be sure to have it repaired. (Note that a fee will be charged for this repair service.) \*6 Installation of Infineon TPM Professional Package is required to use this feature.  
\* The shock resistance, pressure resistance, and splash-proof functions are not a guarantee against damage or malfunction.

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## The new Panasonic Toughbook CF-53

<b>DURABILITY FEATURES</b>	<ul style="list-style-type: none"> <li>• Drop-resistant to 30" on 6 faces</li> <li>• Spill-resistant keyboard</li> <li>• Optional hard drive heater</li> <li>• Magnesium alloy case with handle</li> <li>• Shock-mounted flex-connect hard drive with quick-release</li> <li>• Pre-installed replaceable screen film<sup>1</sup></li> </ul>																						
<b>SOFTWARE</b>	<ul style="list-style-type: none"> <li>• Genuine Windows® 7 Professional 32-bit<sup>2</sup> or Genuine Windows® 7 Professional 64-bit<sup>2</sup></li> <li>• Panasonic Utilities, Recovery Partition</li> </ul>																						
<b>CPU</b>	<ul style="list-style-type: none"> <li>• Intel® Core™ i5-2520M vPro™ Processor               <ul style="list-style-type: none"> <li>– 2.5GHz with Turbo Boost up to 3.2GHz</li> <li>– Intel Smart Cache 3MB</li> </ul> </li> </ul>																						
<b>STORAGE &amp; MEMORY</b>	<ul style="list-style-type: none"> <li>• 4GB SDRAM (DDR3-1333MHz), expandable to 8GB<sup>3,4</sup></li> <li>• Shock-mounted flex-connect hard drive with quick-release               <ul style="list-style-type: none"> <li>– 320GB 5400rpm</li> <li>– Optional hard drive heater</li> <li>– Optional 128GB reinforced flex-connect SSD</li> </ul> </li> </ul>																						
<b>DISPLAY</b>	<ul style="list-style-type: none"> <li>• 14" High Definition (720p) LED 1366 x 768</li> <li>• Optional Touchscreen               <ul style="list-style-type: none"> <li>– Panasonic CircuLumin™ technology (2-1000 nit, AR and AG screen treatments, circular polarizer)</li> </ul> </li> <li>• Anti-glare and anti-reflective screen treatments</li> <li>• Video controller: Intel® QM67 - max, 1428MB shared VRAM</li> <li>• External video support up to 1920 x 1200 at 16.7 million colours</li> <li>• Concealed mode</li> </ul>																						
<b>AUDIO</b>	<ul style="list-style-type: none"> <li>• Intel® high-definition audio compliant</li> <li>• Integrated stereo speakers</li> <li>• Convenient keyboard volume and mute controls</li> </ul>																						
<b>KEYBOARD &amp; INPUT</b>	<ul style="list-style-type: none"> <li>• Optional Touchscreen LCD with integrated stylus holder<sup>1</sup></li> <li>• 87-key with dedicated Windows® key</li> <li>• Oversized electrostatic touchpad with multi touch support</li> </ul>																						
<b>MULTIMEDIA POCKET</b>	<ul style="list-style-type: none"> <li>• DVD Super MULTI Drive with Dual Layer Support</li> </ul>																						
<b>EXPANSION SLOTS</b>	<ul style="list-style-type: none"> <li>• PC card type II x 1</li> <li>• SD card (SDXC)</li> <li>• ExpressCard/54 x 1</li> </ul>																						
<b>INTERFACE</b>	<table border="0"> <tr> <td>• Docking connector</td> <td>Dedicated 100-pin</td> </tr> <tr> <td>• HDMI</td> <td>Type A</td> </tr> <tr> <td>• VGA</td> <td>D-sub 15-pin</td> </tr> <tr> <td>• Headphones/speaker</td> <td>Mini-jack stereo</td> </tr> <tr> <td>• Microphone/line in</td> <td>Mini-jack stereo</td> </tr> <tr> <td>• Serial</td> <td>D-sub 9-pin</td> </tr> <tr> <td>• USB 3.0 (x1), USB 2.0 (x3)</td> <td>4-pin</td> </tr> <tr> <td>• Optional IEEE 1394a (FireWire)</td> <td>4-pin</td> </tr> <tr> <td>• 10/100/1000 Ethernet</td> <td>RJ-45</td> </tr> <tr> <td>• Optional 10/100 2nd LAN Ethernet</td> <td>RJ-45</td> </tr> <tr> <td>• 56K Modem</td> <td>RJ-11</td> </tr> </table>	• Docking connector	Dedicated 100-pin	• HDMI	Type A	• VGA	D-sub 15-pin	• Headphones/speaker	Mini-jack stereo	• Microphone/line in	Mini-jack stereo	• Serial	D-sub 9-pin	• USB 3.0 (x1), USB 2.0 (x3)	4-pin	• Optional IEEE 1394a (FireWire)	4-pin	• 10/100/1000 Ethernet	RJ-45	• Optional 10/100 2nd LAN Ethernet	RJ-45	• 56K Modem	RJ-11
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<b>WIRELESS</b>	<ul style="list-style-type: none"> <li>• Optional 3G mobile broadband</li> <li>• Intel® Centrino® Advanced-N 6205 802.11a/b/g/n</li> <li>• Bluetooth® v2.1 + EDR (Class 1)               <ul style="list-style-type: none"> <li>– Authentication: LEAP, WPA, 802.1x, EAP-TLS, EAP-FAST, PEAP</li> <li>– Encryption: CKIP, TKIP, 128-bit and 64-bit WEP, Hardware AE</li> </ul> </li> <li>• Security               <ul style="list-style-type: none"> <li>– Slide on/off switch</li> </ul> </li> </ul>																						
<b>POWER SUPPLY</b>	<ul style="list-style-type: none"> <li>• Battery operation<sup>6</sup> Approx. 10 hours (long life battery)</li> <li>• Long life Li-Ion battery pack (10.8V, typical 6750mAh, minimum 6300mAh)</li> <li>• Lightweight Li-Ion battery pack (10.8V, typical 4500mAh, minimum 4200mAh)</li> <li>• Battery charging time: 2 hours<sup>6</sup></li> <li>• AC Adapter: AC 100V-240V 50/60Hz, auto sensing/switching worldwide power supply</li> <li>• Pop-up on-screen battery status reporting</li> </ul>																						
<b>POWER MANAGEMENT</b>	<ul style="list-style-type: none"> <li>• Suspend/Resume Function, Hibernation, Standby, ACPI BIOS</li> </ul>																						
<b>SECURITY FEATURES</b>	<ul style="list-style-type: none"> <li>• Password Security: Supervisor, User, Hard Disk Lock</li> <li>• Cable lock slot</li> <li>• Trusted platform module (TPM) security chip v.1.2</li> <li>• Computrace® theft protection agent<sup>7</sup></li> <li>• Optional fingerprint reader</li> <li>• Optional SmartCard reader</li> </ul>																						



- **14" High Definition (720p) LED Display**
- **Optional sunlight-viewable Touchscreen with Panasonic CircuLumin™ Technology**
- **Oversized Touchpad with Multi Touch**
- **Magnesium Alloy Case with Handle**
- **Drop and spill resistant**
- **Optional 3G Mobile Broadband**

#### WARRANTY

- 3-year limited warranty, parts and labour

#### DIMENSIONS & WEIGHT

- 340mm (L) x 281mm (W) x 45.55mm (H)
- 2.65kg, 2.95kg (Touchscreen model)

#### INTEGRATED OPTIONS<sup>8</sup>

- 3G Mobile Broadband
- SmartCard reader
- Fingerprint reader
- 1.3MP webcam and digital mic
- Backlit emissive keyboard
- 2nd LAN (10/100) or FireWire
- Hard drive heater
- 128GB solid state drive (SSD)

#### ACCESSORIES<sup>8</sup>

- |                            |              |
|----------------------------|--------------|
| • AC Adapter (3-pin)       | CF-AA5713AM  |
| • Battery Charger          | CF-VCBTB2W   |
| • Long Life Battery Pack   | CF-VZSU71U   |
| • Lightweight Battery Pack | CF-VZSU72U   |
| • Desktop Port Replicator  | CF-VEB531U   |
| • Memory Cards             |              |
| – 2GB DDR3                 | CF-WMBA1002G |
| – 4GB DDR3                 | CF-WMBA1004G |
| • 14.0" LCD Protector Film | TBD          |

Please consult your reseller or Panasonic representative before purchasing.

<sup>1</sup> Touchscreen model only.

<sup>2</sup> A full set of Windows XP drivers are available at [panasonic.com/toughbook/support](http://panasonic.com/toughbook/support).

<sup>3</sup> Total usable memory will be less depending upon actual system configuration.

<sup>4</sup> 1GB = 1,000,000,000 bytes.

<sup>5</sup> The size of the VRAM cannot be set by the user and varies by operating system as well as size of RAM. Windows 7 max. VRAM is 1696MB with Windows 7 64-bit.

<sup>6</sup> Battery performance features such as charge time and life span can vary according to the conditions under which the computer and battery are used. Battery operation and recharge times will vary based on many factors, including screen brightness, applications, features, power management, battery conditioning and other customer preferences. Battery testing results from MobileMark 2007.

<sup>7</sup> Requires software and activation to enable theft protection.

<sup>8</sup> Accessories and Integrated Options may vary depending on your notebook configuration.

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