



## TOUGHBOOK 56

The TOUGHBOOK 56 with Windows 11 Pro is a 14" rugged laptop designed for professionals in motion. Its reinforced magnesium chassis meets military-grade standards while maintaining a slim, lightweight form factor with ergonomic, glove-friendly input and an integrated retractable handle. A fully modular architecture and optional hot-swappable dual batteries provide up to 24 hours of operation, supporting long shifts and varied workflows. With next-generation processing power, advanced connectivity options and built-in multi-layer security, the TOUGHBOOK 56 delivers reliable performance and protection in demanding environments.

### Key Features

Intel® Core™ Ultra 5 processor 235H vPro or Intel® Core™ Ultra 7 processor 265H vPro, Intel® AI Boost

Windows 11 Pro / Red Hat Enterprise Linux 10 certified

14.0" WUXGA (1920 x 1200), Aspect ratio 16:10 with optional 10 finger capacitive touch

Customizable left, right and rear expansion areas

Up to 12 hours battery life with standard battery (up to 24 hours with optional 2nd battery)

**TOUGHBOOK**





## Panasonic recommends Windows 11 Pro for business

## TOUGHBOOK 56

The TOUGHBOOK 56 is built for professionals operating in challenging and mobile work settings, whether capturing data in automotive testing, supporting utilities and field service infrastructure, or working in defence and emergency response scenarios. Its next-generation performance handles intensive data and AI-driven workflows locally, while advanced connectivity enables reliable real-time communication across multiple networks.

A fully modular architecture and extensive expansion options support integration with specialist tools and legacy systems.

Hot-swappable dual batteries delivering up to 24 hours of runtime enable uninterrupted operation across long shifts, and the ergonomic, glove-friendly design improves comfort and efficiency in daily field use. With a reinforced magnesium chassis, military-grade certifications and multi-layer security, the TOUGHBOOK 56 protects both device and data in harsh environments. Its lightweight, compact form factor and durable construction ensure consistent performance in unpredictable conditions.

<https://ap.connect.panasonic.com/sg/en/toughbook-56>

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|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>OS (Operating System)</b>                                 | Windows 11 Pro 64-bit MUI(10)                                                                                                                                                                                                                                                                                                 |
| <b>CPU (Mobile Computing Platform) -&gt; Processor</b>       | Intel® Core™ Ultra 5 processor 235H, Intel® Core™ Ultra 7 processor 265H*1                                                                                                                                                                                                                                                    |
| <b>CPU (Mobile Computing Platform) -&gt; Number of cores</b> | 14(4+8+2), 16(6+8+2)*1                                                                                                                                                                                                                                                                                                        |
| <b>CPU (Mobile Computing Platform) -&gt; Graphics chips</b>  | Intel® Graphics<br>Support Intel® Arc™ Graphics when equipped with 2 DIMMs and 16GB total Capacity                                                                                                                                                                                                                            |
| <b>Memory (RAM) (RAM Standard / Maximum) (Main memory)</b>   | Min. 16GB (Option: 32GB+32GB max) DDR5, 5600MT/s*2*3                                                                                                                                                                                                                                                                          |
| <b>Storage</b>                                               | 1st Storage (Main SSD):[NVMe Interface] 512GB / 1TB*1 / 2TB*1 OPAL or FIPS*1, 2nd Storage (2nd SSD)*4*5:[NVMe Interface] 512GB / 1TB / 2TB OPAL or FIPS,                                                                                                                                                                      |
| <b>Display &amp; Graphics</b>                                | Dimensions:14.0" WUXGA 16:10, Technology:AR, Resolution:1920x1200, Internal LCD:16,777,216 colors*6,                                                                                                                                                                                                                          |
| <b>Wireless</b>                                              | Cellular (WWAN) (Mobile Broadband)*1:Sierra Wireless™ EM7595 (NA 4G Model) / Telit Cinterion LN920A6 (EU 4G Model) / Sierra Wireless™ EM9291 (5G Model), GPS (Global Positioning)*1:Yes Chip: u-blox NEO-M9N GPS/GLONASS/Galileo/BeiDou/QZSS/SBAS Support, Wi-Fi:XXX, Bluetooth:v5.4; Classic mode/ Low Energy mode, Class 1, |
| <b>I/O Ports (Interface)</b>                                 | USB-Type C: x2, USB-Type A: x1, HDMI: x1, LAN: x1, Audio In/Out: x1,                                                                                                                                                                                                                                                          |
| <b>Camera -&gt; Front</b>                                    | 5.2 MP with IR Sensor and Privacy Shutter<br>Video: 2560 x 1440 pixels, 30fps<br>Still: 2880 x 1800 (5.2M)                                                                                                                                                                                                                    |
| <b>Audio (Sound)</b>                                         | Microphone:Stereo, 2 microphones with AI noise suppression, Speaker:Stereo, 98dB*7                                                                                                                                                                                                                                            |
| <b>Security</b>                                              | Microsoft Secured Core PC:Yes, Fingerprint Reader (Fingerprint):Option, Facial Recognition:Yes, Insertable Smart Card Reader:Option, Contactless Smart Card Reader:Option, Security chip (TPM Security Chip):TPM (TCG V2.0 compliant),                                                                                        |
| <b>Keyboard &amp; Input (Keyboard)</b>                       | User selectable Keyboard                                                                                                                                                                                                                                                                                                      |
| <b>Pointing device -&gt; Touchscreen (Touch panel)</b>       | 10 Finger touch (Capacitive) /φ4 Passive Stylus                                                                                                                                                                                                                                                                               |
| <b>Pointing device -&gt; Touchpad</b>                        | Yes                                                                                                                                                                                                                                                                                                                           |
| <b>Sensors</b>                                               | Ambient light sensor                                                                                                                                                                                                                                                                                                          |
| <b>Dimensions -&gt; Main Unit</b>                            | 345mm x 272mm x 36.3mm*8 (13.6" x 10.7" x 1.43") (without protruding parts)                                                                                                                                                                                                                                                   |
| <b>Weight -&gt; Main Unit</b>                                | WUXGA: Starting 2.12 kg, WUXGA Touchscreen: Starting 2.27 kg<br>Lightest Model: Starting 2.00kg                                                                                                                                                                                                                               |
| <b>Weight -&gt; AC adapter</b>                               | Max. 391g (without AC cable and plug)                                                                                                                                                                                                                                                                                         |
| <b>Battery -&gt; Battery Life</b>                            | Approx. 12 hours (Mobile Mark™ 30),Approx. 24 hours with 2nd battery (Mobile Mark™ 30)                                                                                                                                                                                                                                        |
| <b>Battery -&gt; Charging time</b>                           | Approx. 3h                                                                                                                                                                                                                                                                                                                    |
| <b>Power Consumption</b>                                     | Approx. 110W (maximum when recharging in the ON state)*9                                                                                                                                                                                                                                                                      |
| <b>Power (Power supply) -&gt; AC adapter</b>                 | Input: 100 V - 240 V AC, 50 Hz/ 60 Hz, Output: 15.6 V DC, 7.05 A                                                                                                                                                                                                                                                              |
| <b>Power (Power supply) -&gt; USB Power Delivery</b>         | Yes                                                                                                                                                                                                                                                                                                                           |
| <b>Power (Power supply) -&gt; Battery (Battery pack)</b>     | Pack, FZ-VZSU1HU, Li-ion 10.8 V, 6300 mAh<br>Option for 2nd Battery Pack                                                                                                                                                                                                                                                      |
| <b>Power (Power supply) -&gt; Hot Swap</b>                   | Yes                                                                                                                                                                                                                                                                                                                           |
| <b>Durability -&gt; Drop resistance</b>                      | 76cm {30 inch} / 6sides, 30cm {11.8 inch} / 26 sides*10 *11                                                                                                                                                                                                                                                                   |
| <b>Durability -&gt; Dust resistance</b>                      | IP53                                                                                                                                                                                                                                                                                                                          |
| <b>Durability -&gt; Water resistance</b>                     | IP53                                                                                                                                                                                                                                                                                                                          |
| <b>Operating temperature</b>                                 | -29°C to +60°C*16                                                                                                                                                                                                                                                                                                             |
| <b>Electromagnetic Compatibility (EMC)</b>                   | Complied<br>MIL-STD-461G RE102 Fixed wing internal                                                                                                                                                                                                                                                                            |
| <b>Storage temperature</b>                                   | - 20 °C to 60 °C {-4 °F to 140 °F}                                                                                                                                                                                                                                                                                            |

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|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Environment (Sustainability) -&gt;</b> | EPEAT Silver                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Environment (Sustainability)</b>       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Software (Panasonic Apps)</b>          | Emergency Notification Setting<br>Intel Graphics Software<br>Microsoft Office Trial* <sup>14</sup><br>Panasonic PC 2D Barcode Key Emulator* <sup>15</sup><br>Panasonic PC Asset Tag Entry<br>Panasonic PC Camera Utility* <sup>15</sup><br>Panasonic PC Hub<br>Panasonic PC Support File Copy Utility<br>PC Information Viewer<br>Realtek Audio Console<br>System Interface Manager<br>Waves MaxxAudio<br>Aptio Setup Utility<br>PC-Diagnostic Utility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Footnote Description</b>               | <p>*1: Optional,</p> <p>*2: 1 MB = 1,048,576 bytes / 1 GB = 1,073,741,824 bytes,</p> <p>*3: Memory size of the factory default depends on the model.</p> <p>*4: Option for Left Expansion Area</p> <p>*5: For Left Expansion Area, exclusively configurable by selecting one from, Optical Drive, 2nd SSD, Smartcard Reader or Barcode Reader.</p> <p>*6: A 16,777,216 color display is achieved by using the dithering function.</p> <p>*7: The sound pressure level at a distance of 30cm</p> <p>*8: Average value. May differ depending on models and options.</p> <p>*9: Approx. 0.3 W when the battery pack is fully charged (or not being charged) and the computer is OFF. Even when the AC adaptor is not connected to the computer, power is consumed (Max. 0.15 W) simply by having the AC adaptor plugged into an AC outlet. Rated power consumption 23-E-1</p> <p>*10: Tested at Panasonic factory. It does not guarantee against damage or malfunction.</p> <p>*11: Tested drops on plywood.</p> <p>*12: Do not expose the skin to this product when using the product in a hot or cold environment. When using in hot or cold environment, some peripherals may fail to work properly. Check the operation environment of the peripherals. Using this product continuously in a hot environment will shorten the product life. Avoid use in these types of environments. When using in low temperature environment, startup may become slow or battery operation time may become short. The computer consumes power when the SSD is warming up during startup. Therefore, if you are using battery power and the remaining power is low, the computer may not start up.</p> <p>*13: UL60950 – 1 Evaluated for use at ambient temperatures up to 35 °C {95 °F} when used with optional AC Power Adaptor and 40 °C {104 °F} when used without AC power adaptor.</p> <p>*14: To continue using this software after the end of the trial, purchase a license by following the on-screen instructions.</p> <p>*15: Depending on the models, this application software doesn't work.</p> <p>*16: Tested By an independent third party lab referencing MIL-STD 810H and IEX 60529</p> |

#### **TOUGHBOOK 56: 12th March 2026**

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