



10.1" fully rugged Windows 11 Pro Tablet

## TOUGHBOOK G2 mk3 Standard

The TOUGHBOOK G2 is the next generation rugged device for mobile workforces. It offers all the benefits of the latest technology, while maintaining important access to legacy systems. All of this, wrapped up in a more flexible, secure and ultimately even more useable device.

### Key Features

Intel® Core™ Ultra5 processor 135U (with Intel vPro Technology)

Windows 11 Pro

10.1" Active Matrix (TFT) colour LCD 1920 x 1200 (WUXGA) LCD with sunlight-viewable glove-enabled capacitive touchscreen (up to 1.000cd/m<sup>2</sup>), IP55 Digitiser

IP65 Water and dust resistant\*\*\*\*, Tested against MIL-STD 810H\*\*\*\*

Long battery life of up to 15 hours (Mobile Mark™ 25) with extended Battery





## TOUGHBOOK G2 mk3 Standard

<https://ap.connect.panasonic.com/th/en/products/toughbook/toughbook-g2-mk3-standard>

<b>Model</b>	FZ G2 mk3 Standard, 16/32GB RAM, 512GB/1TB SSD
<b>OS (Operating System)</b>	Windows 11 Pro
<b>CPU (Mobile Computing Platform) -&gt; Processor</b>	Intel® Core™ Ultra5 processor 135U(with Intel vPro® Technology)
<b>CPU (Mobile Computing Platform) -&gt; Graphics chips</b>	Intel® Graphics (Built-in CPU)
<b>Memory (RAM) (RAM Standard / Maximum) (Main memory)</b>	16GB / 32GB on board, LPDDR5x SDRAM
<b>Storage</b>	Opal SSD : 512 GB / 1 TB, Not removable SSD, Approx. 20GB is used as a partition with recovery tools., (Users cannot use this partition.), Approx. 1GB is used as a partition with systems tools., (Users cannot use this partition.),
<b>Display &amp; Graphics</b>	10.1" WUXGA (1920 x 1200 dots), Aspect ratio 16:10 Anti-Reflection, Internal LCD: Max. 16,777,216 colors (1920 x 1200 dots)
<b>Wireless</b>	Mobile Broadband*/**Sierra Wireless™ EM7421(4G model)/Sierra Wireless™ EM9190(5G sub6 model), Global Positioning***/****u-blox NEO-M9Wi-Fi: Intel® Wi-Fi 6E AX211, Bluetooth: v5.3; Classic mode/ Low Energy mode, Class 1 *****/*****/*****
<b>I/O Ports (Interface)</b>	USB 3.2 Gen 1 Type A: x1, Thunderbolt 4: x1, LAN: x1, IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T, Dual Antenna Connector: x1
<b>Rear expansion area</b>	Smart Card Reader, HF-RFID (NFC) Reader, Fingerprint Reader
<b>Top Expansion Area</b>	Serial, 2D Barcode Reader, 2nd USB 2.0, 2nd LAN, Thermal by FLIR, Micro-SD
<b>Camera -&gt; Front</b>	1920 x 1080p, 30fps(Video) / 1920 x 1080p(Still), Dual Microphone/with Camera Cover
<b>Camera -&gt; Rear</b>	4096 x 2304p, 30fps(Video) / 4096 x 3072p(Still), with Camera Flash LED
<b>Audio (Sound)</b>	Intel® High Definition Audio subsystem support, Stereo speaker
<b>Security</b>	TPM (TCG V2.0 compliant)
<b>Keyboard &amp; Input (Keyboard)</b>	x1
<b>Pointing device -&gt; Touchscreen (Touch panel)</b>	Touch Pad
<b>Dimensions -&gt; Main Unit + Keyboard</b>	FZ-VZSU1TU series / FZ-VZSU1UU series, 287 mm x 235 mm x 52.7 mm, 11.3" x 9.3" x 2.1", (without protruding parts)
<b>Dimensions -&gt; Main Unit</b>	FZ-VZSU1TU series, 279mm x 188mm x 23.5mm, 11.0" x 7.4" x 1.0" (without protruding parts), FZ-VZSU1UU series, 279mm x 188mm x 32.8mm, 11.0" x 7.4" x 1.3" (without protruding parts)*****
<b>Weight -&gt; Main Unit + Keyboard</b>	FZ-VZSU1TU series, Approx. 2.10 kg {4.63 lbs.}, FZ-VZSU1UU series, Approx. 2.21 kg {4.87 lbs.}
<b>Weight -&gt; Main Unit</b>	FZ-VZSU1TU series, Approx. 1.19 kg {2.63 lbs.}, FZ-VZSU1UU series, Approx. 1.27 kg {2.80 lbs.} *****
<b>Battery -&gt; Battery Life</b>	FZ-VZSU1TU series, With Keyboard Base: Approx. 10.5 hours, For tablet: Approx. 11.0 hours, FZ-VZSU1UU series, With Keyboard Base: Approx. 14.5 hours, For tablet: Approx. 15.0 hours*****/*****
<b>Battery -&gt; Charging time</b>	FZ-VZSU1TU series, Power On: Approx. 2.5 hours, Power Off: Approx. 2.5 hours, FZ-VZSU1UU series, Power On: Approx. 3 hours, Power Off: Approx. 3 hours*****
<b>Power Consumption</b>	Approx. 110 W (maximum when recharging in the ON state)*****
<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, DC In: x1
<b>Power (Power supply) -&gt; Battery (Battery pack)</b>	Li-ion 11.4V, 4360mAh (FZ-VZSU1TU) / Li-ion 10.8V, 6300mAh (FZ-VZSU1UU)

<b>Power (Power supply) -&gt; Hot Swap</b>	Standby function, ACPI BIOS, Hot swap optional
<b>Durability -&gt; Drop resistance</b>	Polywood: 120cm{4 feet} / 26 sides / Power Off, Concrete: 120cm{4 feet} / 6 sides / Power Off
<b>Durability -&gt; Dust resistance</b>	IP65
<b>Durability -&gt; Water resistance</b>	IP65
<b>Operating temperature</b>	-10 °C to 50 °C {14 °F to 122 °F} (IEC60068-2-1, 2)*****
<b>Storage temperature</b>	- 20 °C to 60 °C {-4 °F to 140 °F}
<b>Included in Box</b>	Power Supply, Power Cord, Display cleaning cloth and User Manual
<b>Warranty</b>	1 Year
<b>Integrated Options</b>	Port Replicator:x1
<b>Footnote Description</b>	<p>* Only for model with Wireless WAN The specifications may differ depending on the models.</p> <p>** 4G module and dedicated GPS can operate simultaneously. 5G module and dedicated GPS are exclusive configurations.</p> <p>*** Exclusively configurable by selecting one from Wireless WAN(with GPS) and GPS.</p> <p>**** The 5Gmodel cannot be used.</p> <p>***** Only for model with wireless LAN.</p> <p>***** Does not guarantee operation of all Bluetooth peripherals.</p> <p>***** The Bluetooth version depends on the Windows OS version.</p> <p>***** Typical value. May differ depending on models and options.</p> <p>***** Measured by MobileMark® 25.</p> <p>Varies depending on the usage conditions, or when an optional device is attached. Tested by Windows 11 22H2 OS version and may vary depending on the OS version.</p> <p>***** Varies depending on the usage conditions, CPU speed, etc.</p> <p>***** Approx. 0.5 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.</p> <p>*****24 Do not expose the skin to this product when using the product in a hot or cold environment. (⇒OPERATING INSTRUCTIONS - Read Me First)</p> <p>When using in hot or cold environment, some peripherals may fail to work properly. Check the operation environment of the peripherals.</p> <p>Using this product continuously in a hot environment will shorten the product life. Avoid use in these types of environments. When using in low tem-perature environment, startup may become slow or battery operation time may become short.</p> <p>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>***** UL 62368-1 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>