





# TOUGHBOOK G2

## EVOLVED 2 ADAPT

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. An evolution of the best-selling Panasonic Toughbook G1 tablet and 20 detachable, this latest tablet is powered by the 12th Generation Intel® Core™ processor, delivering incredible performance, and is shipping with Windows 11 Pro. It also has a rich set of business interfaces with additional customizable options to meet a worker's needs. With its long battery life and outdoor viewing, glove-enabled touchscreen, it's a versatile yet tough technology companion for mobile workers.

- Intel® Core™ i5-1245 vPro™ Processor
- Windows 11 Pro
- Intel® Iris® Xe
- Next generation IPSa outdoor display technology
- 10.1" high brightness WUXGA (1920x1200) display (up to 1.000cd/m<sup>2</sup>)
- Capacitive 10 finger multi-touchscreen + digitizer
- 180 cm drop resistant\*
- Water and dust resistant (IP65)\*
- Up to 12 hours battery life with large battery

- User exchangeable battery
- Optional Hot swap function
- Flexible configuration port (Serial, LAN, USB 2.0, Micro-SD or Thermal by FLIR, Barcode Reader)
- Rear expansion area (Smart Card Reader, HF-RFID, Fingerprint)
- Lightweight design - weights approx. 1,19kg

\* Test by an independent third-party lab following MILSTD810H and IP65

*All technical specifications are subject to change without notice.*



## TOUGHBOOK G2 mk2 Standard

### EVOLVED TO ADAPT

An evolution of the best-selling Panasonic Toughbook G1 tablet and 20 detachable, this latest tablet is powered by the 12th Generation Intel®

Core™ i5-1245U vPro™ processor, delivering incredible performance, and is shipping with Windows 11 Pro. It also has a rich set of business

interfaces with additional customisable options to meet a worker's needs. With its long battery life and outdoor viewing, glove-enabled

touchscreen, it's a versatile yet tough technology companion for mobile workers.

Panasonic Connect GmbH, Mobile Solutions Business Division, Hagenauer Straße 43, 65203 Wiesbaden, Germany

<https://eu.connect.panasonic.com/gb/en/products/toughbook/toughbook-g2-mk2-standard>

<b>Mobile Computing Platform</b>	Intel® Core™ i5-1245U vPro™ Processor or Intel® Core™ i7 1270P vPro™ Processor
<b>Operating System</b>	Windows 11 Pro
<b>RAM</b>	16GB (max. 32GB) DDR4
<b>Graphic Chip</b>	Intel® Iris® X <sup>e</sup> Graphics
<b>Storage</b>	512GB OPAL NVMe SSD (up to 1TB optional)
<b>LCD</b>	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
<b>Bluetooth™</b>	5.1 + EDR Class 1
<b>Wireless LAN</b>	Intel® Wi-Fi6E AX211
<b>Mobile Broadband*</b>	4G or 5G with eSIM support
<b>GPS*</b>	U-Blox NEO-M8 Series
<b>LAN</b>	IEEE 802.3 10Base-T / IEEE 802.3u 100BASE-TX / IEEE 802.3ab 1000BASE-T
<b>Sound</b>	Intel® High Definition Audio subsystem support, Stereo speaker
<b>Security</b>	TPM (TCG V2.0 compliant), Integrated hardware security lock slot, Windows Hello compliant Webcam
<b>Front Camera</b>	2 MP with IR / privacy shutter (Windows Hello compliant)
<b>Rear Camera</b>	8mpixel with autofocus and LED flash
<b>Top Expansion Bay Area**</b>	Serial, 2D Barcode Reader, 2nd USB 2.0, 2nd LAN, Thermal by FLIR, Micro-SD
<b>Rear Expansion Bay Area**</b>	Smart Card Reader, HF-RFID (NFC) Reader, Fingerprint Reader
<b>USB 3.2 Gen 1 Type A</b>	x1
<b>Thunderbolt 4</b>	x1
<b>LAN Port</b>	x1
<b>Headset</b>	x1
<b>DC In</b>	x1
<b>Port Replicator</b>	x1
<b>Dual Antenna Connector</b>	x1
<b>Keyboard*</b>	x1
<b>AC Adaptor</b>	Input: 100 V - 240 V AC, 50 Hz/ 60 Hz, Output: 15.6 V DC, 7.05 A
<b>Battery</b>	Standard: Li-ion 11.4V, 4360mAh (50Whr), Extended: Li-ion 10.8V, 6300mAh (68Whr)
<b>Battery Life</b>	Standard: Approx 7 hours (Mobile Mark™ 25), Extended: Approx. 12 hours (Mobile Mark™ 25)
<b>Power Management</b>	Standby function, ACPI BIOS, Hot swap optional
<b>Dimensions (W x H x D)</b>	279mm x 188mm x 23.5 mm / 11.0" x 7.4" x 1.0" (without protruding parts)
<b>Weight</b>	Approx. 1.19kg / 2.64lb
<b>Drop Resistance</b>	MIL-STD 810H, 180cm ****
<b>Dust Resistance</b>	IEC529 (JIS C0920) IP6x ****
<b>Water Resistance</b>	IEC529 (JIS C0920) IPx5 ****
<b>Operating Temperature</b>	MIL-STD 810G, -29 °C to 60 °C ****
<b>Standard Configuration</b>	FZ-G2mk2 Standard, 16GB RAM, 512GB SSD, standard battery pack, IP55 digitiser pen
<b>Included in the box</b>	Power Supply, Power Cord, Display cleaning cloth and User Manual

\* Optional

\*\* One option exclusive possible in Top Expansion Bay Area, needs to be decided at purchase

\*\*\* One option exclusive possible in Rear Expansion Bay Area, End User replaceable

\*\*\*\* Tested by an independent third party lab following MIL-STD-810H and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3

TOUGHBOOK G2 mk2: March 2024

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## DESKTOP DOCKING SOLUTIONS

### TOUGHBOOK G2 Desktop Cradle

Size: 31.0cm x 23.0cm x 17.2cm

Weight: 1.5kg

Part Nos:

- FZ-VEBG21U      x2 HDMI 2.0 can be used simultaneously.

Compatible with TOUGHBOOK G2 Tablet

Power supply CF-AA5713A\* to be purchased separately



### TOUGHBOOK G1 Desktop Cradle

Size: 31.0 x 23.0 x 17.2 cm

Weight: 1.5 kg

Part Nos:

- FZ-VEBG11AU      HDMI and VGA can be used simultaneously.

Compatible with TOUGHBOOK G2 Tablet

Power supply CF-AA5713A\* to be purchased separately



### TOUGHBOOK 20 Desktop Port Replicator

With full port replication.

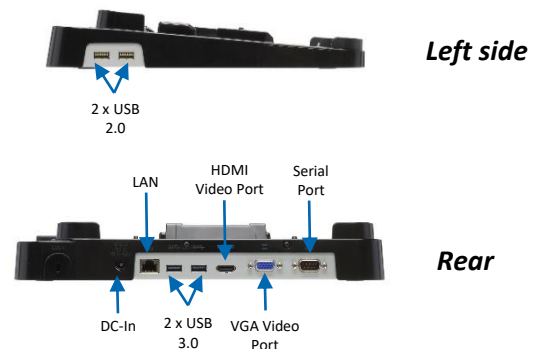
Size: 315mm x 270mm x 50mm

Weight: 1.6 kg

Part No: **CF-VEB201U**

Compatible with TOUGHBOOK G2 Tablet + Keyboard

Power supply CF-AA5713A\* to be purchased separately



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## TABLET VEHICLE DOCKING SOLUTIONS

### TOUGHBOOK G1/G2 Standard Vehicle Dock (Gamber Johnson)

Ports:

- Serial; VGA; HDMI; 2 x USB 3.0; LAN; 16V DC-in
- Optional dual antenna pass-through
- VESA 75 mounting pattern
- Non-electronic versions available

Size: 285 x 251 x 99 mm

Weight: 0.91 kg

Part Nos (Docks with electronics):

- **PCPE-GJG1V01** Keyed Alike without antenna pass-through
- **PCPE-GJG1V02** Keyed Alike with antenna pass-through

Part Nos (Docks without electronics):

- **PCPE-GJG1V05** Keyed Alike



### TOUGHBOOK G1/G2 Standard Vehicle Dock (Gamber Johnson)

Ports:

- Serial; 2 x USB 3.0; LAN; 16V DC-in, **NO HDMI & VGA**
- Optional dual antenna pass-through
- VESA 75 mounting pattern

Size: 285 x 251 x 99 mm

Weight: 0.91 kg

Part Nos (Docks with electronics):

- **PCPE-GJG1V09** Keyed Alike with antenna pass-through



### TOUGHBOOK G2 Tablet Vehicle Dock (PMT)

Ports:

- Serial; x4 USB 2.0, x2 USB 3.2 ; x2 HDMI ; LAN; 15VDC DC-IN
- Optional dual antenna pass-through
- VESA 75 mounting pattern

Size: 281 x 228 x 96 mm

Weight: 2.09 kg

Part Nos (Docks with electronics):

- **PCPE-PMTG201** without antenna pass-through
- **PCPE-PMTG202** with antenna pass-through
- **PCPE-PMTG203** no electronics



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## PASSIVE MOUNT SOLUTIONS

### TOUGHBOOK G2 Passive Mount

Size: 306mm x 223mm x 58/78mm

Weight: starting at 479g

Part Nos:

- PCPE-CDSG2P1 TOUGHBOOK G2 to be operated with rotating hand-strap\*
- PCPE-CDSG2P2 TOUGHBOOK G2

\* Compatible with Toughmate hand-strap (PCPE-INFG2H1) only, to be purchased separately



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## CARRYING SOLUTIONS

### TOUGHBOOK G2 Rotating Hand Strap

Size: 243 x 127 x 15.5 mm

Weight: 0.135 kg

Part no: **FZ-VSTG21U**



↑  
Kickstand

### Toughmate Rotating Hand Strap

includes a shoulder strap

Size: 199 x 152 x 22 mm

Weight: 0.27 kg

Part no: **PCPE-INFG2H1**



### TOUGHBOOK G2 Always On Case

Size: 325 x 240 x 20 mm

Weight: 0.22 kg

Part no: **PCPE-INFG2AO**



### TOUGHBOOK G2 Elastic X-Strap

Size: 114 x 69 x 65 mm

Weight: 0.27 kg

Part no: **PCPE-INFG2XS**



### TOUGHBOOK G2 Mobility Bundle

Size: 171 x 19 x 3 mm

Weight: 0.07 kg

Part no: **PCPE-INFG2MB**

*Compatible with tablet only*

*Not compatible with  
Gamber Johnson Vehicle  
Dock*



### TOUGHBOOK G2 Mobility Bundle with Deluxe Shoulder Strap

Size: 171 x 19 x 3 mm

Weight: 0.10 kg

Part no: **PCPE-INFG2B1**

*Compatible with tablet only*



### TOUGHBOOK G2 ModuFlex

Size: 241 x 165 x 17 mm

Weight: 0.19 kg

Part no: **PCPE-INFG2MF**



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## CARRYING SOLUTIONS

### User Harness

Can be used with Always On cases and other cases with D-rings on each corner

Weight: 0.2 kg / 0.4 lb

Part No: **PCPE-INFUVA1**



### TOUGHBOOK G2 Shoulder Strap

Include screws

Size: 183cm x 3.8cm

Weight: 0.053 kg

Part no: **FZ-VNSG21U**



### Heavy Duty Shoulder Strap

Size: 183cm x 3.8cm

Weight: 0.10 kg

Part No: **PCPE-INFSS03**



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## PRODUCTIVITY SOLUTIONS

### TOUGHBOOK G2 Emissive IP65 Backlit Keyboard

Ports:

- x1 USB 3.0 Type A
- x1 USB 3.0 Type c

Size: 287 x 240 x 56.1 mm

Weight: 910 g

Part no: **FZ-VEKG21L\***



### TOUGHBOOK G2 Smart Card Reader

(For rear expansion area)

Size: 111 x 75 x 15.4 mm

Weight: 80 g

Part no: **FZ-VSCG211U**



### TOUGHBOOK G2 HF-RFID Reader

(For rear expansion area)

Size: 110 x 75 x 15.0 mm

Weight: 85 g

Part no: **FZ-VRFG211U**



### TOUGHBOOK G2 Fingerprint Reader

(For rear expansion area)

Size: 111 x 75 x 15 mm

Weight: 80 g

Part no: **FZ-WFPG221U**



### TOUGHBOOK G2 IP55 DIGITISER PEN

Size: 117.5mm x Ø9.0

Weight: 6.2 g

Part no: **FZ-VNP026U**



### TOUGHBOOK G2 Pen Holder

Size: 33mm x 25mm x 6.3mm

Weight: 2 g

MOQ: 100 pcs.

Part no: **FZ-VNP026U**



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## PRODUCTIVITY SOLUTIONS

### TOUGHBOOK G2 Barcode Reader

(For configuration port)

Part no: FZ-VBRG211U



### TOUGHBOOK G2 Thermal Camera

(For configuration port)

Part no: FZ-VTSG211U



### TOUGHBOOK G2 Gigabit LAN

(For configuration port)

Part no: FZ-VLNG211U



### TOUGHBOOK G2 USB 2.0 Type A

(For configuration port)

Part no: FZ-VUBG211U



### TOUGHBOOK G2 Native Serial

(For configuration port)

Part no: FZ-VSRG211U



### TOUGHBOOK G2 Micro- SD

(For configuration port)

Part no: FZ-WSMG221U

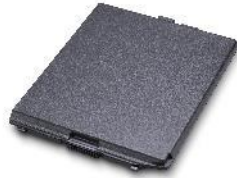
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## POWER MANAGEMENT SOLUTIONS

### Standard 4.360 mAh Battery Pack

Part No: **FZ-VZSU1TU**

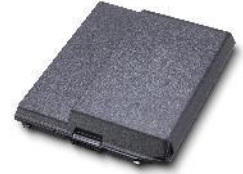
*For G2 Standard Model*



### Long-life 6.300 mAh Battery Pack

Part No: **FZ-VZSU1UU**

*For G2 Standard Model*



### Long-life 6.300 mAh Battery Pack

Part No: **FZ-VZSU1VU**

*For G2 Quick Release-SSD  
Model*



### AC Power Supply

Part No.: **CF-AA5713A2\***  
**E/G/T/D**

\*E: UK; G: Continental; T: Italian;  
D: Swiss



### External 4-bay Battery Charger

Part No: **FZ-VCBG21\***

**E/G/T/D**

\*E: UK; G: Continental; T:  
Italian; D: Swiss



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## POWER MANAGEMENT SOLUTIONS

### Car Charger

120 Watt, 12-32Vdc input

120 Watt, 12-32Vdc input

Part No: **CF-LND1224A**



### Car Charger

120 Watt, 12-32Vdc input

Bare Wire

120 Watt, 12-32Vdc input

Part No: **CF-LND1224BW**



### Car charger (12 - 16VDC)

EIAJ & TypeA both, 80W Part No: **CF-LND80S -FD/BW\***

\*FD: with vehicle plug; BW: bare wire

*Compatible with vehicle dock only*



### Car Charger

120 Watt, 22-32VDC

MIL-STD

Part No: **PCPE-LND3676**



### Car Charger For Forklifts

Part Nos:

- **PCPE-LNDFH11:** 70-110V
- **PCPE-LNDFH32:** 12-32V
- **PCPE-LNDFH60:** 20-60VDC



### Car charger (12 - 32VDC)

EIAJ & TypeA both, 80W

Part No: **CF-LND8024 FD/BW\***

\*FD: with vehicle plug; BW: bare wire

*Compatible with vehicle dock only*



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