

TOUGHBOOK G3 mk1

Solution Guide

September 2026





TOUGHBOOK G3

AGILE WHERE IT COUNTS

The Panasonic **TOUGHBOOK G3** is a compact, lightweight fully rugged tablet designed for mobile teams that need maximum mobility in fast-moving field environments, vehicles and confined spaces. Configurable battery options of up to 21 hours of runtime, modular xPAK expansion and multiple deployment options enable organisations to tailor a single rugged platform to different users, workflows and shift lengths. Combined with a sunlight-readable 10.1-inch display, advanced connectivity, AI-ready performance and enterprise-grade security, TOUGHBOOK G3 keeps field teams productive wherever work takes them.

- Intel® Core™ Ultra 5 processor 335 vPro or Intel® Core™ Ultra X7 processor 368H vPro
- Windows 11 Pro , Red Hat Enterprise Linux 10 certified
- 10.1" high brightness WUXGA (1920x1200) display
- (up to 1.000cd/m²)
- Capacitive 10 finger multi-touchscreen + digitiser
- 180 cm drop resistant*
- Water and dust resistant (IP66)*
- Up to 21 hours battery life with long life battery
- User exchangeable battery
- Optional Hot swap function
- Quick Release SSD as standard
- Top and Rear Expansion Areas for end user replaceable xPAKs
- Lightweight design – starting 1.07kg with Lite Battery

* Tested by an independent third-party lab following MILSTD810H and IP66

TOUGHBOOK G3 ACCESSORY ECOSYSTEM



All accessories in this guide are fully tested and certified in the Panasonic factory by Panasonic engineers

MODULAR OPTIONS

TOP EXPANSION AREA OPTIONS



1D/2D Barcode Reader

Part No: FZ-VBRG31W



Native Serial Port

Part No: FZ-VSRG31U



USB 2.0 Port

Part No: FZ-VUBG31U



Gigabit LAN Port

Part No: FZ-VLNG31U



Micro-SDXC Slot

Part No: FZ-VSMG31U



3.5mm Audio Jack

Part No: FZ-VAJG31U

REAR EXPANSION AREA OPTIONS



Smart Card Reader

Part No: FZ-VSC3G1U



HF-RFID (NFC) Reader

Part No: FZ-VNF3G1W



Fingerprint Reader

Part No: FZ-VFP3G1W

CARRYING SOLUTIONS

POWER MANAGEMENT



LITE Battery (35Whr)

Part No: FZ-VZSU2MU



STANDARD Battery (70Whr)

Part No: FZ-VZSU2NU



LONG LIFE Battery (99Whr)

Part No: FZ-VZSU2PU



Battery Charger with G3 Dongle

Part No: FZ-VCB4TB2W



2nd Dongle for G3 Battery Charger

Part No: FZ-VCA002U



AC Adapter

Part No: CF-AA5713A2*

*E: UK, G: EU, T: IT, D: Switzerland



Car Charger 120W (12-32VDC)

Part Nos: CF-LND1224A – Cigarette plug
PCPE-LND1224BW – Bare wire



Car Charger 120W Bare Wire (12-16VDC)

Part No: TB-HAV-PSU1 – straight connector
TB-HAV-PSU2 – right angle connector



Tall Corner Guard to support Long Life Battery

Part No: FZ-VCGG31U



Mil Spec Car Charger 120W (22-32VDC)

Part No: PCPE-LND3676 – Bare wire

CLEANING AND PROTECTION

LCD Screen Cleaning Cloth

Part No: CF-VNC002U

MOQ: 10 pcs



Protective 10.1" LCD Film

Replacement protective film

Part No: FZ-VPFG31U



Kensington Lock

Part No: PCPE-KENLOK2



OTHER PERIPHERALS

IP55 Digitiser Pen

Part No: FZ-VNP026U



TOUGHBOOK G3 Tether

Part No: FZ-VNT006U



Quick Release SSD

Part No:

FZ-VSD3G0T1U – 512GB OPAL NVMe SSD

FZ-VSD3G1T1U – 1TB OPAL NVMe SSD

FZ-VSD3G2T1U – 2TB OPAL NVMe SSD



TOUGHBOOK G3 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-VEKG21AL*



Slimline External CD/DVD Writer

Part No: PCPE-FCDVR05



USB Optical Mouse

Part No: PCPE-LOGM901



DESKTOP CRADLES / PORT REPLICATORS

TOUGHBOOK G2/G3 Desktop Cradle

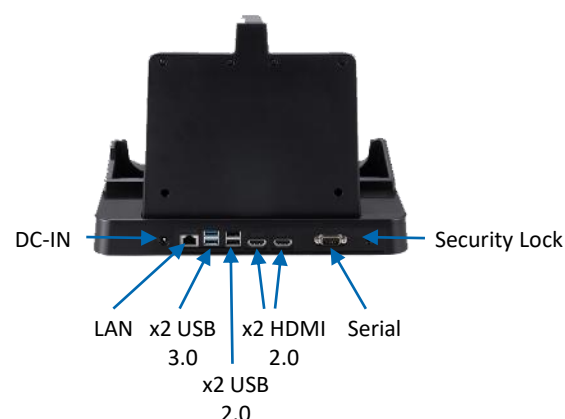
Size: 31.0cm x 23.0cm x 17.2cm

Weight: 1.5kg

Part No: FZ-VEBG21U

Compatible with TOUGHBOOK G2 Tablet

Power supply CF-AA5713A2* to be purchased separately



TOUGHBOOK 20/G3 Desktop Port Replicator

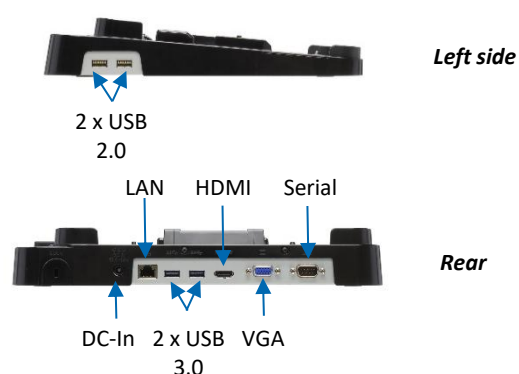
Size: 315mm x 270mm x 50mm

Weight: 1.6 kg

Part No: CF-VEB201U

Compatible with TOUGHBOOK G3 Tablet + Keyboard

Power supply CF-AA5713A2* to be purchased separate



PASSIVE MOUNT SOLUTIONS

TOUGHBOOK G3 Passive Mount

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

Weight: starting at 479g

Under development, first shipment in January 2027



Picture showing TOUGHBOOK G2

TOUGHBOOK G2/G3 MIL Adapter Passive Dock

Size: 330mm x 290mm x 91mm

Weight: starting at 2.45kg

Part Nos:

- PCPE-CDSG2M1 VESA 75mm mounting pattern
- PCPE-CDSG2M1 VESA 100mm mounting pattern



Picture showing TOUGHBOOK G2

PILLAR MOUNTING KIT FOR G3 TABLET (VESA)

Pillar mounting Kit

Kit contains:

- 4" pillar clamp with 1.5" ball joint
- 1.5" diameter double socket arm (varying length)
- VESA mounting plate with 1.5" ball



Part No:

PCPE-RAMFRK01	Pillar mount kit with 1.5" ball, 125mm arm and VESA plate
PCPE-RAMFRK02	Pillar mount kit with 1.5" ball, 185 mm arm and VESA plate
PCPE-RAMFRK03	Pillar mount kit with 1.5" ball, 270mm arm and VESA plate

For use with vehicle docks. Vehicle dock must be purchased separately

CONNECTED VEHICLE SOLUTIONS

TABLET VEHICLE DOCKS

TOUGHBOOK G1/G2/G3 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 No (Dock without electronics):

- | | |
|--------------|-------------|
| PCPE-GJG1V05 | Keyed Alike |
|--------------|-------------|



Picture showing TOUGHBOOK G1

TOUGHBOOK G1/G2/G3 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 No:

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



Picture showing TOUGHBOOK G1

CONNECTED VEHICLE SOLUTIONS

TABLET VEHICLE DOCKS

TOUGHBOOK G2/G3 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

Part No (Dock without electronics):

PCPE-PMTG203 no electronics



TOUGHBOOK G1/G2/G3 Vehicle Dock (Havis)

Ports:

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

Size: 255 x 289 x 11.1 mm / 10.0" x 11.4" x 4.4"

Weight: 1.23 kg / 2.7 lb

Part Nos:

PCPE-HAVG103 Keyed Alike without antenna pass-thrc

PCPE-HAVG104 Keyed Alike with antenna pass-through



Picture showing TOUGHBOOK G2

CONNECTED VEHICLE SOLUTIONS

NOTEBOOK VEHICLE DOCKS

TOUGHBOOK 20/G2/G3 Notebook Dock (Havis)

Full port replication:

- 2 x USB 3.0; 1 x LAN; 1 x Serial; 1 x HDMI; 1 x VGA
- Optional dual antenna pass-through
- 16V DC-in

Size: 63.5 x 281 x 244 mm

Weight: 1.95 kg

Part No:

PCPE-HAV2007	Without pass-through, keyed alike
PCPE-HAV2008	With dual pass-through, keyed alike



Only compatible with TOUGHBOOK G2/G3 when used with keyboard accessory

TOUGHBOOK 20/G2/G3 Notebook Vehicle Dock (Gamber-Johnson)

Full port replication:

- 2 x USB 3.0; 1 x LAN; 1 x Serial; 1 x HDMI; 1 x VGA
- Optional dual antenna pass-through
- 16V DC-in

Size: 307 x 295 x 65 mm

Weight: 2.3 kg

Part Nos:

PCPE-GJ20V07	No RF, keyed alike
PCPE-GJ20V08	Dual RF, keyed alike



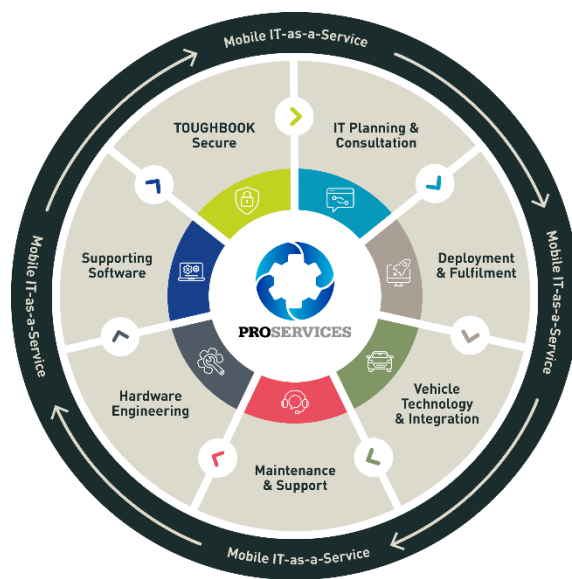
Only compatible with TOUGHBOOK G2/G3 when used with keyboard accessory

TOUGHBOOK MOBILITY SERVICES

Deploying, maintaining and optimising a fleet of mobile devices is tough. It's time consuming. It's expensive. Unpredictable too. But it doesn't have to be.

Introducing TOUGHBOOK Mobility Services

A world-leading network of industry experts, engineers and services, reducing the hassle (and costs) of device rollouts and management – and improving the daily lives of your hyper-mobile workers.



IT PLANNING & CONSULTATION

Image Development & Management Services

- Image Development optimised on a regular basis
- Ongoing Management of Windows and Security Updates
- Revision control and management in accordance with IT standard

SKU	Service Name
PCPE-MSDEVA1	One-time Image Build (per unit)
PCPE-MSDEVU1	One-time Image Build (Up front)
PCPE-MSDEVA2	Image Long Term Management (Per unit)
PCPE-MSDEVU2	Image Long Term Management (Up front)

DEPLOYMENT & FULFILMENT

Autopilot Enrolment & Provisioning

- Swift cloud registration supported by device data management
- Zero-touch deployment for seamless out-of-box experience
- Provisioned devices ready for immediate use by end users

SKU	Service Name
PCPE-PSAUTOP	Autopilot Enrolment
PCPE-AUTPP2H	Autopilot Standard Provisioning (Under 2 hours)
PCPE-AUTPP4H	Autopilot Standard Provisioning (Over 2 hours)

TOUGHBOOK MOBILITY SERVICES



DEPLOYMENT & FULFILMENT

BIOS Development & Deployment

- Bespoke BIOS settings and configuration
- Pre-set passwords
- Company logo on start up

SKU	Service Name
PCPE-PSBIOSG	Custom BIOS Service – Gold level Deployment in Production
PCPE-PSBDEVJ	Specific Custom BIOS development R&D Japan
PCPE-PSBDEVC	Custom BIOS development Configuration– R&D Panasonic UK

Image Deployment

- Standardised deployment using robust processes
- QA and testing to ensure quality and consistency
- Efficient and scalable deployment across full estate

SKU	Service Name
PCPE-PSIMG2H	Base Image Deployment (under 2 hours)
PCPE-PSIMG4H	Base Image Deployment (under 4 hours)

Last-Mile Deployment

Our last-mile deployment services include:

- Asset tagging and tracking
- SIM card installation & activation
- Custom packaging
- Asset reporting
- Image deployment
- Deployment logistics
- Logo badge application

Pricing and SKUs are subject to individual requirements and SLAs.

TOUGHBOOK MOBILITY SERVICES

VEHICLE TECHNOLOGY & INTEGRATION



In-Vehicle Connectivity (with Ericsson)

SKU	Service Name
PCPE-CRDEMO1	Connected Vehicle Demo Install Kit

Vehicle Screen Mirroring (with VNC)

SKU	Service Name
PCPE-VKTVNCCC	Cobalt Cube Main Unit
PCPE-VKTVNCINST	Cobalt Cube Vehicle Installation Kit
PCPE-VKTVNCMDT	VNC Software Package - Mobile Data Terminal (MDT)
PCPE-VKTVNCSPC	VNC Software Package - Smartphone Control (SPC)
PCPE-VKTVNCMCS	VNC Software Package - LED Matrix Display Control (MCS)
PCPE-VKTVNCLS	VNC Software Package - Lights & Siren Control (L&S)

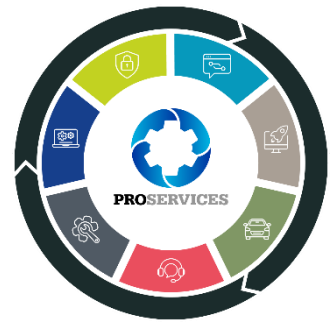
In-Vehicle Design Consultancy

The TOUGHBOOK Mobility Solutions Team offers end-to-end vehicle integration design services, including custom bracketry and installation instructions. We consider regulatory compliance, safety protocols, operational nuances, and device suitability, to ensure seamless integration that's tailored to your needs. We take a consultative approach, coupled with our industry-leading capabilities, to ensure a seamless integration experience and a tailored solution that prioritises safety, efficiency, and reliability from conception to execution.

There are no standard SKUs for this service. Please contact your account manager to discuss.

TOUGHBOOK MOBILITY SERVICES

HARDWARE ENGINEERING



Custom Design

Our Mobility Solutions Team specialises in delivering innovative, tailored solutions that optimise performance and usability in the field:

- Customised Solutions
- Integrated Accessories
- In-Vehicle Mounting
- Special bracketry

Customer Branding

The TOUGHBOOK Mobility Solutions Team can help you ensure your brand stays prominent with our customer branding service. We offer a variety of options for adding your company logo or colour scheme to your chosen TOUGHBOOK device, whilst ensuring your corporate brand guidelines are respected.

SKU	Service Name
PCPE-PSLOGOB	Customer Logo Badge
PCPE-PSBDEVC	Logo on device start-up screen (Part of Custom BIOS Development Configuration – R&D Panasonic UK)

TOUGHBOOK MOBILITY SERVICES

MAINTENANCE & SUPPORT



Every TOUGHBOOK is supported by our standard three year ProTect service, but ProTect PLUS is a value-packed upgrade, offering you extra peace of mind through the additional of the following services:

- Battery Confidence: proactive battery replacement (3 years only)
- Monthly service reporting on full estate of devices
- One working day of on-demand consultancy every year
- Full access to the TOUGHBOOK Knowledge Base
- Remote technical support
- Full inspection report for returned devices
- Small, cosmetic repairs and reinstatement of IP integrity

SKU	Service Name
PCPE-PROTP3-V	TOUGHBOOK ProTect PLUS 3 Years (Incl. 3 yr Battery Confidence)
PCPE-PROTP4-V	TOUGHBOOK ProTect PLUS 4 Years (Incl. 3 yr Battery Confidence)
PCPE-PROTP5-V	TOUGHBOOK ProTect PLUS 5 Years (Incl. 3 yr Battery Confidence)



For the ultimate protection, tailor your service plan by adding on any of the ProTect PLUS Premium modules below:

- Infinity Maintenance Service – *Infinity pricing includes all ProTect PLUS services. Other Premium modules below are priced on top of Infinity.*
- Remote Device Monitoring
- Self-Maintenance: Training & Spare Parts Access
- Return without SSD
- Global Service
- Device Management
- Software Maintenance
- Rapid Replacement
- Alternative Packaging

SKU	Service Name
PCPE-INFAB3-V	TOUGHBOOK Infinity 3 Years (Incl. 3 yr Battery Confidence)
PCPE-INFAB4-V	TOUGHBOOK Infinity 4 Years (Incl. 3 yr Battery Confidence)
PCPE-INFAB5-V	TOUGHBOOK Infinity 5 Years (Incl. 3 yr Battery Confidence)

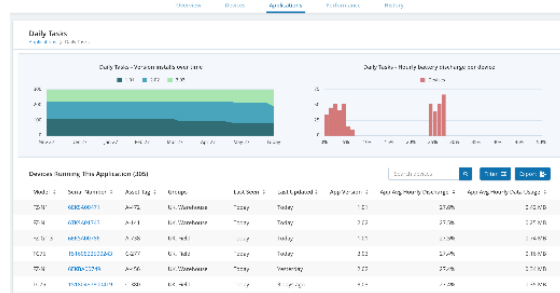
TOUGHBOOK MOBILITY SERVICES

SUPPORTING SOFTWARE



TOUGHBOOK Smart Service

Real time analytics, powered by B2M Solutions, showing the health and performance of your estate of mobile devices, focussing on areas such as battery life, data usage, disruptions and connectivity. Enables the user to recognise patterns of usage and potentially pre-empt issues before they arise. The full suite includes access to the core dashboard as well as the Smart Battery Monitor dashboard, and APIs.



SKU	Description
CF-LESPSESS1	Smart Essentials Bundle - 1 year (Smart Service, Battery Monitor and APIs)
CF-LESPSESS3	Smart Essentials Bundle - 3 year (Smart Service, Battery Monitor and APIs)
CF-LESPSESS5	Smart Essentials Bundle - 5 year (Smart Service, Battery Monitor and APIs)

POWERED BY
B2M
SOLUTIONS

ABSOLUTE®

Absolute Secure Endpoint / Secure Access

Absolute Security software is the industry benchmark in endpoint resilience. It ensures customers' digital operations and mobile workforces stay efficient, productive, and safe using innovative [Secure Endpoint](#) and [Secure Access](#) products - leveraging the advantage of pioneering Absolute Persistence® technology embedded in the firmware of more than 600,000,000 devices. Once activated, Absolute Persistence is fiercely and uniquely resilient, surviving attempts to disable it, even if the device is re-imaged, the hard drive is replaced, or the firmware is updated. **No other technology can do this.**

Contact your sales rep for part numbers.

Website: <https://www.absolute.com/partners/device-compatibility/#panasonic>

TOUGHBOOK MOBILITY SERVICES

SUPPORTING SOFTWARE



MobiControl Enterprise Mobility Management

Part of the [SOTI ONE Platform](#), SOTI MobiControl is the Enterprise Mobility Management (EMM) solution designed for any device, any form factor, and any operating system (OS). Deploy apps to smartphones. Enroll and provision new tablets in the field. Track the location of rugged devices. Identify and neutralize security risks to the IoT endpoints. Protect critical data stored on mobile devices. Minimize device downtime so field workers stay productive.

Contact your sales rep for part numbers.

Website: <https://www.soti.net/products/soti-mobicontrol/>



Sygic

Sygic Professional GPS Navigation works offline and features truck specific routing, itinerary with time windows and over 60 APIs for development with Android and Windows based apps. Sygic technology is accessible through a complete set of SDKs for web and mobile development. During Sygic's 18-year experience, we developed countless mapping and navigation solutions for 3000+ integration partners and customers in various industries.

Contact your sales rep for part numbers.

Website: <https://www.sygic.com/enterprise/professional-gps-navigation-sdk>