

TOUGHBOOK 34 mk1

Solution Guide

September 2026





TOUGHBOOK 34

MORE WHERE IT MATTERS.

The Panasonic **TOUGHBOOK 34** is a lightweight, fully rugged 2-in-1 tablet designed for mobile teams that need a large workspace, flexible ways of working and reliable performance in demanding environments. Featuring a 12.4-inch sunlight-readable display, enhanced camera system for field work, adaptive touch technology and optional rugged keyboard, it enables users to capture information and switch seamlessly between tablet interaction and laptop-style productivity. With advanced connectivity, modular expansion options, AI-ready performance and enterprise-grade security, the TOUGHBOOK 34 provides a future-ready platform for complex mobile workflows.

- Intel® Core™ Ultra 5 processor 335 vPro or Intel® Core™ Ultra X7 processor 368H vPro
- Windows 11 Pro , Red Hat Enterprise Linux 10 certified
- 12.4" high brightness Full-HD+ (1920x1280) display (up to 1.000cd/m²)
- Capacitive 10 finger multi-touchscreen + digitiser
- 180 cm drop resistant*
- Water and dust resistant (IP66)*
- Up to 18 hours battery life with two batteries
- User exchangeable batteries
- Hot swap function when using two batteries
- Quick Release SSD as standard
- Top and Rear Expansion Areas for end user replaceable xPAKs
- Lightweight design – starting 1.36kg with one Battery

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

TOUGHBOOK 34 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-VBR341W



Native Serial Port

Part No: FZ-VSR341U



USB 2.0 Port

Part No: FZ-VUB341U



HDMI Port

Part No: FZ-VHM341U

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

POWER MANAGEMENT



Battery (40Whr)

Part No: FZ-VZSU2LU



AC Adapter

Part No: CF-AA5713A2*

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



Battery Charger with 34 Dongle

Part No FZ-VCB4TB1W



2nd Dongle for 34 Battery Charger

Part No: FZ-VCA001U



Car Charger 120W (12-32VDC)

Part No: CF-LND1224A – Cigarette plug

PCPE-LND1224BW – Bare wire



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

Part No: PCPE-LND3676 – Bare wire



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

Part No: TB-HAV-PSU1 – straight connector

TB-HAV-PSU2 – right angle connector

CARRYING SOLUTIONS

TOUGHBOOK 33/34 Rotation Strap with Kick Stand

Part No: CF-VST332U

*Picture shown with
TOUGHBOOK 33*



Picture showing TOUGHBOOK 33

TOUGHBOOK 33/34 Shoulder Strap

Part No: CF-VNS331U



TOUGHBOOK 33/34 Hand Strap

Part No: CF-VST331U



TOUGHBOOK 33/34 Mobility Bundle

Part No: PCPE-INF33B1



Picture showing TOUGHBOOK 33

Infocase Backpack

Part No: PCPE-INFBPK

CLEANING AND PROTECTION

LCD Screen Cleaning Cloth

Part No: CF-VNC002U

MOQ: 10 pcs



Protective 12.4" LCD Film

Replacement protective film

Part No: FZ-VPF341U



Kensington Lock

Part No: PCPE-KENLOK2



OTHER PERIPHERALS

IP55 Digitiser Pen

Part No: FZ-VNP341U



TOUGHBOOK 34 Tether

Part No: CF-VNT002U

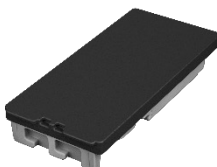


Quick Release SSD

OPAL NVMe SSD

Part Nos:

- FZ-VSD3G0T1U – 512GB
- FZ-VSD3G1T1U – 1TB
- FZ-VSD3G2T1U – 2TB



Slimline External CD/DVD Writer

Part No: PCPE-FCDVR05



Gamber-Johnson Rugged Lite Keyboard

Think, lightweight USB keyboard

Part Nos:

- PCPE-GJRLK00 – US Eng
- PCPE-GJRLK01 – UK Eng
- PCPE-GJRLK02 – German
- PCPE-GJRLK03 – French
- PCPE-GJRLK04 – Spanish



USB Optical Mouse

Part No: PCPE-LOGM901



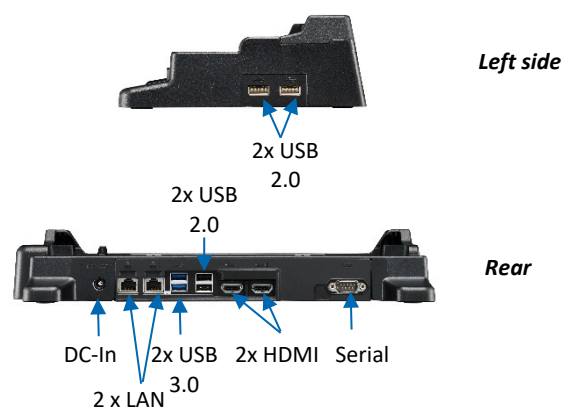
DESKTOP CRADLES / PORT REPLICATORS

TOUGHBOOK 33/34 Desktop Cradle

Part No: CF-VEB332W

Compatible with TOUGHBOOK 34 Tablet

Power supply CF-AA5713A2* to be purchased separately

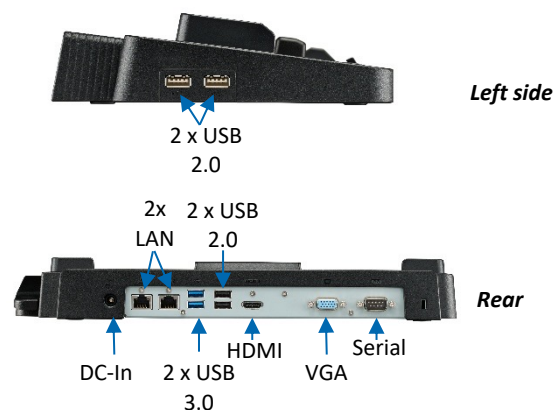


TOUGHBOOK 33/34 Desktop Port Replicator

Part No: CF-VEB331U

Compatible with TOUGHBOOK 34 Tablet + Keyboard

Power supply CF-AA5713A2* to be purchased separately



PILLAR MOUNTING KIT FOR 34 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 Nos:

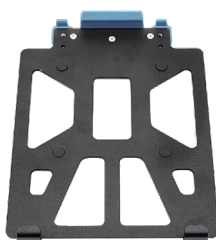
- PCPE-RAMFRK01 Pillar mount kit with 1.5" ball, 125mm arm and VESA plate
- PCPE-RAMFRK02 Pillar mount kit with 1.5" ball, 185 mm arm and VESA plate
- PCPE-RAMFRK03 Pillar mount kit with 1.5" ball, 270mm arm and VESA plate

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

Quick Release Cradle for GJ Rugged Lite Keyboard

VESA 75 mounting pattern.
For Forklift use only.

Part No: PCPE-GJRLKCR



CONNECTED VEHICLE SOLUTIONS

TABLET VEHICLE DOCKS

TOUGHBOOK 33 Tablet Vehicle Dock (Gamber Johnson)

No power adaptor included. Keyed alike

Dimensions: 317.5 x 336.5 x 114.3 mm

Max Weight: 1.88 kg

Part Nos:

PCPE-GJ33V01 - Non-electronic

PCPE-GJ33V02 – Full port replication, No RF

PCPE-GJ33V03 – Full port replication, Dual RF

PCPE-GJ33V04 – Lite port replication*, No RF

**No HDMI or VGA with "Lite" port replication*



TOUGHBOOK 33 Slim Tablet Vehicle Dock (Gamber Johnson)

No power adaptor included. Keyed alike

Dimensions: 314 x 274 x 76 mm

Max Weight: 2.7 kg

Part Nos:

PCPE-GJ33V11 - Full port replication, no RF

PCPE-GJ33V12 - Full port replication, Dual RF

**No HDMI or VGA with "Lite" port replication*



CONNECTED VEHICLE SOLUTIONS

TABLET VEHICLE DOCKS

Havis TOUGHBOOK 33 Tablet Vehicle Dock

No power adaptor included. Keyed

Dimensions: 300 x 327 x 88.9 mm

Max Weight: 1.4 kg

Part Nos:

PCPE-HAV3305 – Lite port replication*, no RF

PCPE-HAV3309 – Full port replication, no RF

PCPE-HAV3310 – Full port replication, with dual RF

*No HDMI or VGA with “Lite” port replication



CONNECTED VEHICLE SOLUTIONS

NOTEBOOK VEHICLE DOCKS

TOUGHBOOK 33/34 Laptop Vehicle Dock (Gamber-Johnson)

No power adaptor included. Keyed alike

Dimensions: 358 x 343 x 89 mm

Weight: 3 kg

Part Nos:

PCPE-GJ33V06 – Full port replication, No RF

PCPE-GJ33V07 – Full port replication, Dual RF

PCPE-GJ33V08 – Non-electronic cradle



TOUGHBOOK 33 Laptop Vehicle Dock (Havis)

No power adaptor included. Keyed alike.

Full port replication.

Dimensions: 300 x 327 x 88.9 mm

Weight: 2.44 kg

Part Nos:

PCPE-HAV3316 – Full port replication, No RF

PCPE-HAV3317 – Full port replication, with RF



CONNECTED VEHICLE SOLUTIONS

RUGGED ROUTERS

Cradlepoint IBR 900 Router

Compact, ruggedized Gigabit-Class LTE router for advanced in-vehicle and IoT connectivity.

Dimensions: 118mm x 113.5mm x 30.5mm / 4.6" x 4.5" x 1.2"

Weight: G30g / 0.88 lb

Part Nos:

- **PCPE-CRD90E1** - Cradlepoint IBR900 router with 1-year NetCloud Mobile Essentials Plan
- **PCPE-CRD90E3** - Cradlepoint IBR900 router with 3-year NetCloud Mobile Essentials Plan
- **PCPE-CRD90E5** - Cradlepoint IBR900 router with 5-year NetCloud Mobile Essentials Plan
- **PCPE-CRD90A1** - Cradlepoint IBR900 router with 1-year NetCloud Mobile Advanced Plan
- **PCPE-CRD90A3** - Cradlepoint IBR900 router with 3-year NetCloud Mobile Advanced Plan
- **PCPE-CRD90A5** - Cradlepoint IBR900 router with 5-year NetCloud Mobile Advanced Plan



CONNECTED VEHICLE SOLUTIONS

RUGGED VEHICLE ANTENNAS

PANORAMA MIMO LOW PROFILE

- 2/3/4G + GPS
- 5M cable
- Black
- SMA connector (connection to vehicle router)

Part No: PCPE-PAN4G02

PANORAMA GPSD MIMO SHARKIE

- 4G/WIFI + GPS
- 5M cables
- Black
- TNC connector (connection to vehicle dock)

Part No: PCPE-GPSDANT

PANORAMA GPSB SHARKIE

- 4G/WIFI + GPS
- 5M cable
- Black
- TNC connector (connection to vehicle dock)

Part No: PCPE-GPSBANT

Panorama WLAN Antenna

- 2.4 GHz
- 5m Cable
- Loose TNC Crimp (for connection to vehicle dock)

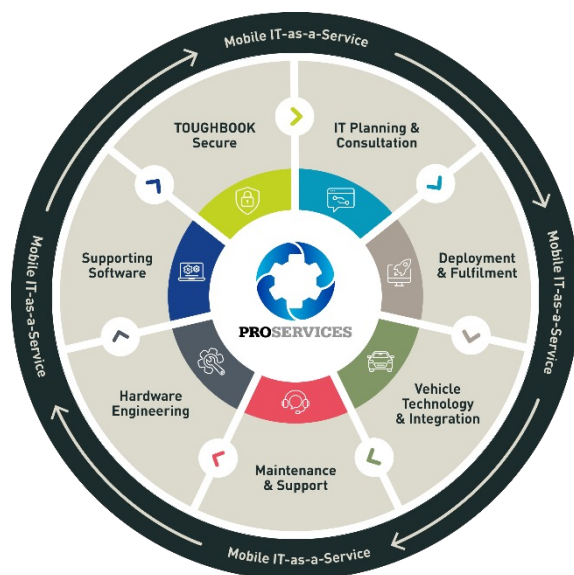
Part No: PCPE-PAN4318

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)

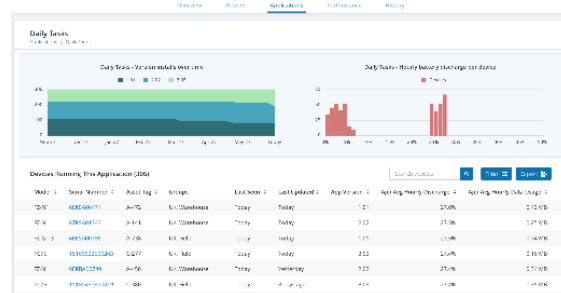
TOUGHBOOK MOBILITY SERVICES

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>