Panasonic

TOUGHBOOK

Next-generation mobile work-stations for

FORKLIFT TRUCKS

Windows 10

With the right mobile computing solution,

FORKLIFT TRUCK OPERATIONS CAN ACHIEVE SO MUCH MORE

Thanks to mounted mobile computers on forklift trucks, operators can now go about their daily picking and putting-away tasks, while connected to dynamic back-end host systems.

This allows operators to have all the information they could possibly need at their fingertips in order to optimize work-flow and materials processing, and minimize errors.

Selecting the right mobile computing solution for warehousing and material-handling applications is critical to success.

It's important to select a device that takes into account the ergonomics of using a mobile computer on a forklift, and the varied requirements of each individual user.

It's also essential that the device can easily be moved from one truck to another, and is rugged enough to withstand the demanding environments in which it may be used.

Three considerations are vital in determining the best-fit solution:

1

How will it be used?

2

How will it integrate with the infrastructure already in place?

3

How will it grow with evolving business needs in the future?

Panasonic's range of ruggedized TOUGHBOOK mobile computing solutions

ARE THE PERFECT FIT

How?

- Robust enough to withstand the market's typical challenging environments
- Featuring the latest technology and operating systems to optimize work-flows and improve human accuracy
- Offering optimized connectivity
- Can be ergonomically mounted on forklifts, and easily relocated
- Complemented by a large range of accessories, such as barcode scanners and RFID readers
- Support and professional services in place, ensuring low TCO and maximising ROI

Use our simple formula to configure the perfect solution for your forklift operations:

Device	Dock	Mounting Option	Accessories

+ + +

= Your perfect TOUGHBOOK forklift solution!

TOUGHBOOK DEVICES

We understand that operating systems, display size, and the ability to offer strong cellular and Wi-Fi connectivity are important factors to consider when choosing solutions for warehouse and material-handling environments. That's why we've outlined each of our suitable fully rugged TOUGHBOOK devices below.

12" Display
TOUGHBOOK 33 rugged tablet

The IP 65 rated TOUGHBOOK 33 is a fully rugged tablet with highly configurable capabilities and hot-swappable twin batteries brings unrivalled flexibility and performance for mobile business computing.

10.1" Display
TOUGHBOOK G1 rugged tablet

A fully rugged 10.1" tablet with Windows 10 Pro, combining lightweight design, business expansion ports and extreme durability for the ultimate in mobile computing.

10.1" Display
TOUGHBOOK A3 rugged tablet

The TOUGHBOOK A3, a fully rugged tablet with a 10.1 inch display, Qualcomm® SDM660 Octa-Core Processor, Android 9, 10.1" WXGA Outdoor Readable Display, Gadget Port for flexibility and 5 feet drop rating

7" Display
TOUGHBOOK L1 rugged tablet

Lightweight Android 8.1 tablet ideal for customer-facing mobile workers that need a versatile and cost-effective device.

With its 7" display and optional barcode reader it's at home in retail and logistics settings.

4.7" Display
TOUGHBOOK N1 handheld

Available with Android 9 it is one of the slimmest and most lightweight handheld tablets in the 4.7" category.

Includes rear-angled barcode reader and optional passive and active pen.

It has a 7 feet drop rating and is IP68 rated

Please visit **na.panasonic.com/ca/FORKLIFT** or contact your local Panasonic representative for full specification information.

DOCKS

Ergonomically designed and rigorously tested, our fully rugged docking solutions perfectly complement our rugged TOUGHBOOK devices. Only docks and mounts approved by Panasonic are suitable for use as part of a TOUGHBOOK forklift solution.

TOUGHBOOK G1
Havis
Part no.: DS-PAN-721

PORTS:

- DB9
- RJ45
- VGA
- HDMI
- USB 3.0
- 16V DC

DIMENSIONS:
10" (25.5cm) x 11.4" (28.9cm) x 4.4" (11.1cm)

WEIGHT: 2.2lbs (1.0kg)

TOUGHBOOK G1
PMT
Part no.: AS7.P001.200

PORTS:

- VGA
- HDMI
- USB 3.0
- RS-232
- RJ45

DIMENSIONS:
8.9" (22.61cm) x 11.2" (28.45cm) x 3.6" (9.14cm)

WEIGHT: 4.35lbs (1.97kg)

TOUGHBOOK G1
Gamber Johnson
Part no.: 7160048600

PORTS:

- VGA
- RJ45
- HDMI
- Serial D-Sub 9pin

DIMENSIONS:
9.14" (23.22cm) x 11.22" (28.5cm) x 3.8" (9.65cm)

WEIGHT: 2.50lbs (0.91kg)

TOUGHBOOK A3
Havis
Part no.: DS-PAN-1401

PORTS:

- USB 2.0
- RJ45
- 16V DC
- External Antenna

DIMENSIONS:
9.77" (24.82cm) x 11.45" (29.08cm) x 3.96" (10.06cm)

WEIGHT: 2.94lbs (1.33 kg)

TOUGHBOOK A3
Gamber Johnson
Part no.: 7160141600

PORTS:

- USB 2.0
- Ethernet
- External Antenna

DIMENSIONS:
10.28" (26.11cm) x 11.33" (28.78cm) x 4.59" (11.66cm)

WEIGHT: 2.15lbs (0.98 kg)

TOUGHBOOK N1
ProClip
Part no.: 713108

PORTS:

- 16V
- Wired Power

DIMENSIONS:
7.08" (18cm) x 3.2" (8.2cm) x 3.74" (9.5cm)

WEIGHT: 1.08lbs (0.49 kg)

TOUGHBOOK L1
Havis
Part no.: DS-PAN-1301

PORTS:

- USB 2.0
- 5V DC

DIMENSIONS:

7.08" (17.98cm) x 7.89" (20.04cm) x 2.45" (6.22cm)

WEIGHT: 0.98lbs (0.45 kg)

TOUGHBOOK L1
ProClip
Part no.: 736101

PORTS:

- 5v Molex
- 6-Pin Micro-Fit
- Quick Connect power cable

DIMENSIONS:

7.16" (18.2cm) x 8.38" (21.3cm) x 1.96" (5cm)

WEIGHT: 1.12lbs (0.51kg)

TOUGHBOOK L1
Gamber Johnson
Part no.: 7160131400

PORTS:

- USB 2.0
- 5V DC
- Antenna

DIMENSIONS:

3.55" (9.01cm) x 7.21" (18.31cm) x 7.97" (20.24cm)

WEIGHT: 1.5lbs (0.68kg)

TOUGHBOOK N1
Gamber Johnson
Part no.: 7160090000

FEATURES:

- AMPS mounting hole pattern
- Alignment tabs

DIMENSIONS:

4.5" (11.5cm) x 7.5" (19cm) x 3.5" (9cm)

WEIGHT: 0.7lbs (0.3kg)

TOUGHBOOK 33
Havis
Part no.: DS-PAN-1204-2

PORTS:

- DC-in
- VGA
- USB 3.0
- RJ45
- HDMI
- 15.6V DC
- Serial DB9
- Dual Antenna

DIMENSIONS:

11.83" (30.00cm) 12.88" (32.70cm) x 3.50" (8.89cm)

WEIGHT: 3.08lbs (1.40kg)

TOUGHBOOK 33
Gamber Johnson
Part no.: 7160090707

PORTS:

- USB 2.0 & 3.0
- Serial 9 Pin
- Antenna switch
- LAN

DIMENSIONS:

12.5" (31.75cm) x 13.25" (33.65cm) x 4.5" (11.43cm)

WEIGHT: 4.15lbs (1.88kg)

MOUNTING OPTIONS

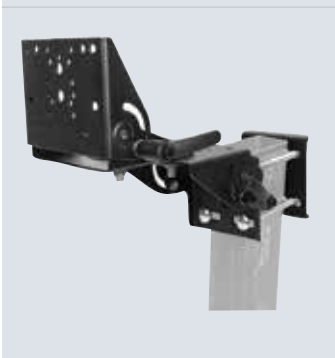All mounts meet certifications shown:

PILLAR MOUNTING KITS

PILLAR TABLET MOUNT WITH KEYBOARD PACKAGE

PMT

Part no.: AS5.F250.005

- VESA 75 Tablet Hole Pattern Mounting
- PMT Keyboard Tray
- 14.66" (37.24cm) × 12.11" (30.76cm) × 8" (20.32cm) / 6.9lbs (3.13kg)

PILLAR MOUNT DUAL CLAM SHELL WITH ARTICULATING ARM AND SMALL PLATE

GAMBER JOHNSON

Part no.: 7160-0420

Clam Shell features the following hole patterns:
- AMPS, NEC, VESA 75 2" (5.08cm) × 4.09" (10.38cm)
- The entire arm and the Motion Attachment can rotate around 360°
- The Clam Shell can be tilted up or down for a total of 160°
- 10.08" (25.6cm) × 7.43" (18.9cm) × 9.96" (25.3cm) / 7.95lbs (3.6kg)

OVERHEAD GUARD MOUNTING KITS

OVERHEAD TABLET MOUNT WITH KEYBOARD PACKAGE

PMT

Part no.: AS5.F250.003

- VESA 75 Tablet Hole Pattern Mounting
- PMT Keyboard Tray
- 18.18" (46.18cm) × 8" (20.32cm) × 6.77" (17.2cm) / 11.95lbs (5.4kg)

SHORT OVERHEAD GUARD MOUNT WITH DUAL CLEVIS

GAMBER JOHNSON

Part no.: 7160-0586

- AMPS, NEC, VESA 75, Gamber Johnson 2x4
- The entire arm and the Motion Attachment can rotate around 360°
- The Clam Shell can be tilted up or down for a total of 160°
- 7.5" (19.1cm) × 10.0" (25.4cm) × 10.8" (27.4cm) / 7.9lbs (3.6kg)

OTHER BRACKETS

SCANNER POCKET TABLET MOUNT
GAMBER JOHNSON
Part no.: 7160-1389

- Multiple mounting hole patterns including VESA 75 and AMPS for compatibility to various Gamber Johnson docks/cradles and forklift mounting solutions
- Adjustable pocket to secure most wired or wireless handheld barcode scanners
- 6.15" (15.62cm) × 4.00" (10.16cm) × 13.25" (33.66cm) / 3.25lbs (1.47kg)

FORKLIFT LOW PROFILE TABLET KEYBOARD BRACKET
GAMBER JOHNSON
Part no.: 7160-0984

- Keyboard bracket features 3" (7.62cm) arm and mini clevis
- AMPS, NEC, VESA 75 and Gamber Johnson 2x4
- Tablet Docking Station or cradle compatible
- 14.56" (37cm) × 6.24" (15.8cm) × 9.35" (23.7cm) / 6.8lbs (3.08kg)

YOUR SOLUTION, YOUR WAY

Panasonic offers consultancy services around forklift installation, which cover areas from best positioning of your device to advice on health and safety. A demo installation for evaluation is also available if required.

ACCESSORIES

Each of our TOUGHBOOK devices has a full eco-system of approved accessories. Here are some items specially selected to put the finishing touches to your forklift solution. For a full list of available accessories for a particular device, visit na.panasonic.com/ca/TOUGHBOOK or contact your local TOUGHBOOK representative.

SOFTWARE

Staylinked

StayLinked's SmartTE software provides a cost-effective way to take advantage of touchscreen devices with Terminal Emulation by transforming traditional "green screen" application screens into easy-to-use, graphical screens with no changes to the underlying enterprise applications.

https://www.staylinked.com/

SOTI MobiControl

MobiControl is an Enterprise Mobility Management (EMM) solution with enhanced EMM features like application management, content management, location services and remote help.

https://soti.net/partners/panasonic/

ivanti

Ivanti finds, heals and protects every device, everywhere – automatically. Whether your team is down the hall or spread around the globe, Ivanti makes it easy and secure for them to do what they do best.

https://www.ivanti.com/

VuLock™ powered by Drivescreen

A motion activated safety software application for computers or handheld devices, that can be configured to black out the screen, pull up designated applications or simply lock out the mouse, touch screen or keyboard while the vehicle is in motion.

https://www.mobilemounts.com/vulock/

HARDWARE

Maximize forklift functionality, using our extensive range of hardware accessories. From rugged and mobile to flexible and purpose-built, everything is designed to enhance your working day.

LIND POWER MANAGEMENT

Hard-wearing and high quality, yet small and lightweight, our forklift power adaptors can operate in a wide range of temperatures and are compatible with different power sources.

Part no.:

PA15551-4329
Panasonic 80W Forklift Power Supply (12-32VDC)

PA15551-4092
Panasonic 80W Forklift Power Supply (20-60VDC)

PA15551-2425
Panasonic 80W Forklift Power Supply (72-100VDC)

INPUT DEVICES

Our versatile input devices are as tough as they are convenient. Connect via USB or Bluetooth and operate for up to 60 hours, however harsh your environment.

Part no.:

SL88USBP
Ikey Compact Backlit Keyboard

SLK102MUSB
Mobile SlimKey Backlit Keyboard

KBABLH-5RU
86 Key, Backlit, NEMA 4, Pointing Device USB TG103

ANTENNAS

Durable, discreet and available with multiple inputs and outputs, our antennas keep you connected. Link directly to your dock for perfect performance even in extreme conditions.

Part no.:

SAPCWMS22BL15
Cell/LTE connecting via standard SMA male. Wifi connecting via standard SMA male, magnetic mount, black 15'

APM2M2WMS1BL18
M2MAX 2.4/5 GHz. single connection Wifi antenna, magnetic mount, color black, 18' coax with TNC connector

APWMS2BL15
2.4/5G Wifi antenna, black Mag mount, 15' cable, SMA connection

Panasonic

TRANSFORM YOUR WAREHOUSE OPERATIONS WITH OUR CUSTOMIZED TOUGHBOOK FORKLIFT SOLUTIONS

For more information please contact your local TOUGHBOOK representative or visit **na.panasonic.com/ca/FORKLIFT**

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