

# Panasonic



## TOUGHBOOK FZ-N1 Solution Guide

# TOUGHBOOK



1.800.662.3537  
[na.panasonic.com/ToughbookN1](http://na.panasonic.com/ToughbookN1)



# TOUGHBOOK FZ-N1

## SLIM AND LIGHTWEIGHT 4.7" ANDROID™ HANDHELD WITH AN ANGLED BARCODE SCANNER

The Panasonic Toughbook® FZ-N1—a powerful, slim and fully rugged handheld. It's the all-in-one tool you've been waiting for, and it's ideal for where work takes you each day. With an octa-core processor, angled rear-facing barcode reader, optional stylus pen, and long-lasting battery that is warm-swappable; you won't miss a beat. And when a flexible device is in demand, the Toughbook FZ-N1 delivers the Android operating system, giving you the ability to develop in an open environment with thousands of enterprise grade applications at your fingertips from the Google Play store or Panasonic's partners: independent software vendors (ISVs) and resellers/integrators. Plus, with built-in multi-carrier 4G LTE, voice capabilities, and dual SIM cards, the Toughbook FZ-N1 is ready to go where business takes you. And if it takes a seven-foot drop, don't worry—it can handle it, making it the choice for unrelenting conditions. So take it to work. It can take it.

- Android™ 8.1 (Oreo)
- Qualcomm® SDM660-2 64bit 2.2GHzx4+1.8GHzx4 Octa-Core
- 3 GB RAM, 32 GB storage and microSD card slot
- 4.7" high definition 1280 x 720 daylight-viewable display
- Optional passive and active pen for precise signatures
- MIL-STD 810G certified with 7-foot drop\* resistance
- IP66 and IP68 sealed all-weather design
- 8MP rear and 5MP front camera with LED light
- User-replaceable battery with warm-swap function
- NFC, Bluetooth v5.0, WiFi, micro USB port and docking connector
- Triple microphones for superior noise suppression
- Dual front speakers delivering in total up to 100 dBA

\* Tested at Panasonic factory

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## TOUGHBOOK FZ-N1 ACCESSORY ECOSYSTEM



*\*For more details about P.180, please visit [panasonicP180.com](http://panasonicP180.com)*

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## POWER MANAGEMENT SOLUTIONS

### Standard Battery Pack

(3200 mAh)

SKU: **FZ-VZSUN110U**



### Extended Battery Pack

(6400 mAh)

SKU : **FZ-VZSUN120U** (with battery cover)

SKU : **FZ-VZSUN120W** (without battery cover)



### 4-bay Battery Charger

Compatible with standard and extended battery.

SKU : **FZ-VCBN121M**



### AC Power Supply

For use with charging cup (FZ-VCBN11U) and desk top cradles.

SKU : **CF-AA6373AM**



### AC/DC Combo Adaptor

LIND AC/DC/DC with USB Car/Air Charger 90W

Part No: **CF-LNDACDC90** (12-16 Volt or AC input)



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## POWER MANAGEMENT SOLUTIONS

### Low Power Adaptor (80W)

80W (12-32 Volt input)

SKU : **CF-LNDDC80**



### Mil Spec Vehicle Charger

90W (12-32 Volt input)

SKU : **CF-LNDMLDC90**



### Car Charger For Forklifts

LIND DC/DC Isolated Forklift Charger

20-60 VDC input

SKU : **CF-LNDDC80I**

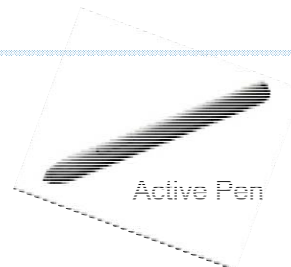


## PRODUCTIVITY SOLUTIONS

### Stylus

SKU : FZ-VNPN11U (Active Pen)

SKU : **CF-VNP021U** (Passive Pen)



Active Pen



Passive Pen

## SECURITY & PROTECTION SOLUTIONS

### Shatterproof Protective LCD Film

10 sheets

SKU : **FZ-VPFN11U**



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**PROSERVICES**

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## CARRYING SOLUTIONS

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### Panasonic Holster with belt

SKU : FZ-VSTN12U



### Hand Strap

SKU : FZ-VSTN11U (Panasonic)



FZ-VSTN11U

SKU : TBCF1HDSTP-LXL-P (Large-X-Lg / Infocase)

SKU : TBCF1TSTP-LXL-P (Large-X-Lg – T Strap / Infocase)

SKU : TBCF1-EHS-P (Enhanced Strap/ Infocase)



TBCF1HDSTP-LXL-P



TBCF1TSTP-LXL-P



TBCF1-EHS-P

### Infocase Holster

(includes a belt and shoulder strap)

SKU : TBCF1HSTR-P



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**PROSERVICES**



## DOCKING SOLUTIONS

### Charging Cup and Stand

AC adaptor not included. Purchase CF-AA6373AM

SKU: **FZ-VCBN11U**



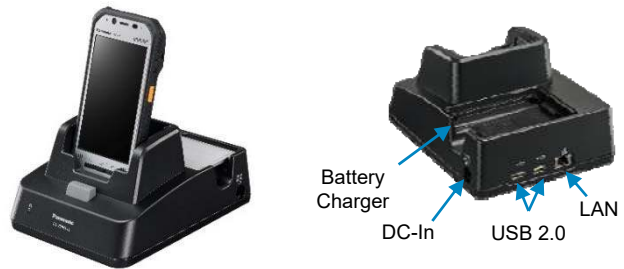
### Single Device Desktop Cradle for FZ-N1

AC adaptor included.

Dimensions: 5.7 x 7.7 x 3.9"

Weight: Approx. 1.2 lb

SKU : **FZ-VEBN111U**



### 4-Device Desktop Cradle

AC adaptor included.

Dimensions: 18.4 x 8.4 x 3.8"

Weight: Approx. 4.4 lb

SKU: **FZ-VEBN121M**



### 5-Device Desktop Cradle

AC adaptor included.

SKU :

- **FZ-VCBN141M** – Charge-Only
- **FZ-VEBN141M**– Charge + Ethernet I/O
- **FZ-VCBN131M** – 5-Bay Battery Charger



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## DOCKING SOLUTIONS

### Vehicle Dock (Gamber-Johnson)

Accommodates additional configuration options and certain hand straps.  
Power only (power supply not supplied). AMPS mounting pattern.

Dimensions: 4.5 x 7.5 x 3.5"

Weight: 0.7 lb

SKU :

- **GJ-N1-VC** No Electronics. Lock (Keyed-alike)
- **GJ-N1-VD0** No Pass, Powered, Lock (Keyed-alike)



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## PROFESSIONAL SERVICES

If you're a mobile worker in a demanding profession, workdays can be hectic, to say the least. It's often just you and your mobile computer on the front lines, wherever the job takes you. You need to know that you'll always have the tools you need to do your job.

Thousands of organizations choose Panasonic for their employees who work in unforgiving environments. We've been making rock-solid mobile computing products for over 20 years and are constantly pushing rugged computing forward. Toughbook family of computers boast industry-leading low product-failure rates. So it's no wonder we've become the longest-running rugged computer supplier for the U.S. government, law enforcement, and public safety agencies. But even with the toughest tools, work life can be a bit unpredictable. Make sure your workers can always depend on their Toughbook devices by augmenting them with Panasonic ProServices—planning, deployment, security, repair, and replacement services that support your IT and field staffs.

Our Standard Warranty protects your Toughbook computers from manufacturing defects for three years. It provides lifetime access to our U.S.-based technical support hotline (which has average hold times less than 1 minute); online access to drivers, first-aid disks, BIOS updates, tools, utilities, and manuals; free overnight delivery of customer-replaceable parts and repaired units (85% of repairs are completed within just 48 hours); and access to Panasonic field service personnel.

Panasonic recognizes that one size does not fit all and each customer has a unique set of skills and needs. As such, Panasonic ProServices can offer each customer the right solution to best suit their particular situation. Here are some of the most popular items, but please contact your Panasonic representative or go to the ProServices website for more services and information.

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## DEPLOYMENT SERVICES

Deployment at PNSCM\*. Includes single or dual sim installation, SD card installation (customer provided), installing tether, charging battery, asset tagging, MDM enrollment, and comprehensive deployment report. Multi-shipping location.

SKU:

- |                    |                     |
|--------------------|---------------------|
| • FZ-SVTCHHDEP     | Less than 200 units |
| • FZ-SVTCHHDEP200  | Over 200 units      |
| • FZ-SVTCHHDEP500  | Over 500 units      |
| • FZ-SVTCHHDEP1000 | Over 1,000 units    |

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Basic deployment at PNSCM\*. Includes installing one or two sim's, SD card (supplied by customer), tether, charging batteries, asset tagging & basic deployment report.

SKU :

- |                    |                     |
|--------------------|---------------------|
| • FZ-SVTCHHBRZ     | Less than 200 units |
| • FZ-SVTCHHBRZ200  | Over 200 units      |
| • FZ-SVTCHHBRZ500  | Over 500 units      |
| • FZ-SVTCHHBRZ1000 | Over 1,000 units    |

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\*PNSCM: Panasonic National Service Center in Memphis

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## ADDITIONAL DEPLOYMENT SERVICES

### Kitting up to 4 items during deployment

At PNSCM\*. Includes boxing and shipping costs.  
SKU: **FZ-SVTCHHKIT4**

### Wireless activation during deployment

At PNSCM\*. Includes activation & testing.  
SKU: **FZ-SVTCHHWA**

### Storage Fee

1 Pallet - per month- 260 units at PNSCM.  
SKU: **FZ-SVTCHHSTORAGE**

### Additional custom configuration (15 minute intervals) during deployment

At PNSCM\*.  
SKU: **FZ-SVTCHHCONFIG**

### International Deployments

International document fee. Billed per incident and only used in conjunction with international deployments leveraging the Panasonic global warranty uplift service.  
SKU: **FZ-SVTCINTDOC**

### Laser Etching

At PNSCM\*. Set up fee.  
SKU: **FZ-SVTCHHLESETUP**

At PNSCM\*. Per unit charge  
SKU: **FZ-SVTCHHLEETCH**

### Green Shipment Option

Custom box for bulk deployment of quantities up to 20 units per shipment.  
SKU: **FZ-SVTCHHBOX**

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\*PNSCM: Panasonic National Service Center in Memphis

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## ULTIMATE CARE PROTECTION

WITH SOTI MDM 1 YEAR CLOUD LICENSE/HOSTING. MINIMUM 75 UNIT QUANTITY OR ADDITIONAL ANNUAL HOSTING FEE WILL APPLY.

SKU:

- FZ-SVTCHHUC3YS 3 Year
- FZ-SVTCHHUC4YS 4 Year
- FZ-SVTCHHUC5YS 5 Year

### ACCIDENTAL DAMAGE (COMPREHENSIVE)

SKU:

- FZ-SVHHUC3Y 3 Year
- FZ-SVHHUC4Y 4 Year
- FZ-SVHHUC5Y 5 Year

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## EXTENDED WARRANTY

Extended Manufacturers Warranty - Handheld

SKU:

- FZ-SVHHEXT2Y 4th & 5th Year
- FZ-SVHHEXTY4 4th Year
- FZ-SVHHEXTY5 5th Year

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## ADVANCED EXCHANGE

Advanced exchange at PNSCM\* - unit ships via next day air from customer owned inventory for requests received prior to 5:00 EST.

SKU:

- FZ-SVTCHHAE3Y 3 Year
- FZ-SVTCHHAE4Y 4 Year
- FZ-SVTCHHAE5Y 5 Year

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## SOTI - CLOUD LICENSE & HOSTING - ANNUAL

SOTI MobiControl Device License - CLOUD - ANNUAL - MCL-DEV. (Per Device Per Year) 12 month term.  
SKU: FZ-HHSOTICLA

SOTI MobiControl - CLOUD Hosting Fee - ANNUAL - MCL-DHS (Per Device Per Year) 12 month term.  
SKU: FZ-HHSOTICHA

MobiControl Jumpstart Implementation Service (Pricing may vary based on required discovery call)  
SKU: FZ-HHSOTIJS

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## SOFTWARE SOLUTIONS – CERTIFIED ISVS

### Propelics



Microsoft is phasing-out support of Windows Operating Systems deployed on scanning, ruggedized and mobile devices. Others are losing 2G and 3G network service by providers. Today's organizations are benefiting greatly by rethinking their mobility strategy for ruggedized devices. A compelling reasons why; 1) Streamlines Sales Processes; 2) Leverages Proven Mobile Technologies; 3) Reduces TCO and; 4) Enhances Security and Compliance. Proper planning and execution to address this challenge is critical for business continuity. PANASONIC & PROPELICS have joined forces to demonstrate how Fortune 500 organizations have turned the "burden" of migrating off old devices into an opportunity for their businesses.

[www.propelics.com](http://www.propelics.com)

### JASCI



JASCI provides an innovative supply-chain acceleration platform tailored to meet the needs of omni-channel logistics via the cloud. Our platform is highly scalable, offering new user experiences and new capabilities to truly compete in today's markets, without months and years of high implementation costs and customized software. JASCI is a flexible multi-tenant, multi-company and multi-lingual platform that can be easily configured and customized with our Smart Task Engine, to eliminate those costly, unwanted modifications. Available on a public and private cloud basis built on a high-availability, secure and scalable platform.

[www.jascicloud.com](http://www.jascicloud.com)



### MCL Technologies

MCL Technologies provides tool set that enables you to design, deploy, run and manage mobile applications in an optimized way. MCL software can dramatically reduce the cost of full life cycle mobile application management.

[www.mcl-technologies.com](http://www.mcl-technologies.com)

### StayLinked SmartE



StayLinked SmartTE provides a way to take advantage of today's modern touchscreen devices with Terminal Emulation by transforming "green screen" application screens into easy-to-use, graphical screens with no changes to the underlying enterprise applications. With StayLinked's single-server approach, you can now update your applications in real-time without production down-time. Dropped sessions, and the tremendous cost that comes with it, are a thing of the past. StayLinked is the only product designed to handle the demands of enterprise environments with 448-bit PCI-level encryption without using vulnerable over-the-air protocols to transmit data.

- Enterprise Grade: The most advanced Terminal Emulation Solution, built with the enterprise in mind.
- No Deployment: Update your application in real-time without archaic configuration files or utilities.
- No Dropped Sessions: StayLinked's architecture ensures that your sessions are always maintained, no matter where you are.
- Unsurpassed Security and Reliability: 448-bit PCI-level encryption built right in.

[www.staylinked.com](http://www.staylinked.com)

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## SOFTWARE SOLUTIONS –CERTIFIED ISVS

### Descartes Perform™



Descartes Perform™ for Transportation is an easy-to-implement, web-based solution that helps customers eliminate paper and handling costs from their delivery processes, which significantly reduces delivery errors, improves service levels, and adds transparency and control to delivery and logistics operations. The Descartes Perform™ suite of products provide configurable, feature-rich mobile technology and advanced electronic proof of delivery (POD) solutions that operate on hand-held devices carried by drivers.

[www.descartes.com](http://www.descartes.com)

### MiTzSales Mobile® - A Proven Enterprise Solution for your Mobile Workforce



MiT Systems delivers the most advanced and reliable enterprise-level mobile solutions designed to improve the performance and profitability of manufacturers and distributors of the food and beverage industry. The comprehensive suite of Direct Store Delivery (DSD) solutions meets the mission-critical needs of the mobile workforce by enabling them to manage all aspects of the supply chain including inventory management, order fulfillment, invoicing, payment collection and other route accounting functions. Through a unique tailored approach, the MiT software can run on various mobile form factors to allow companies the flexibility to choose their preferred Panasonic PDA or tablet device. For more information please visit [www.mitsys.com](http://www.mitsys.com)

### Blue Dot



Blue Dot delivers enterprise mobile software products and IoT platform-based solutions that help trucking, transportation and field service organizations digitally transform their business. Our products and platform, along with a skilled professional services group, will help your organization make the journey from where you are today to where you must be tomorrow. [www.bluedotsolutions.com](http://www.bluedotsolutions.com)

### Itron



Itron enables utilities and cities to safely, securely and reliably deliver critical infrastructure services to communities in more than 100 countries. Our portfolio of smart networks, software, services, meters and sensors helps our customers better manage electricity, gas and water resources for the people they serve. By working with our customers to ensure their success, we help improve the quality of life, ensure the safety and promote the well-being of millions of people around the globe. Itron is dedicated to creating a more resourceful world. Join us: [www.itron.com](http://www.itron.com)

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## SOFTWARE SOLUTIONS – CERTIFIED ISVS



### MobileFrame®

MobileFrame's code-free mobile application development platform empowers businesses to quickly and easily design, integrate, deploy and manage sophisticated mobile apps for iOS, Android, and Windows-based operating systems. Our mobile enterprise application platform includes fully-integrated rapid mobile application development tools, mobile device management, enterprise-class data management, robust synchronization, a fully native disconnected client database so your users can work even without network connectivity, GPS tracking, project administration tools, military-grade security from end-to-end, an integration wizard and scalable server options.

[www.mobileframe.com](http://www.mobileframe.com)



### RDI

RDI validates and documents ingress and egress into any type of facility in supply chain distribution for food and beverage, retail, manufacturing, and precious metals. Contractors, drivers and regular visitors can all be processed from their solution in order to print temporary badges and allow access to a secure facility. It also verifies the identity of each person entering a facility and validates the driver license information and the carrier by DOT number and records that information to a secure database. [www.RDIsolution.com](http://www.RDIsolution.com)



### Clevest

Clevest provides workforce automation software that connects the mobile workforce to office operations. Built for energy utilities, our solutions optimize any field activity or process, improving outage response times, worker productivity and safety, and helping utilities reduce their carbon footprint. With over 220 utility customers worldwide, Clevest's solutions have been used to deploy over 30 million smart meters and service over 100 million energy consumers. Clevest integrates with 250 enterprise systems, and offers configurable solutions that can be deployed on-premise or in the cloud. [www.clevest.com](http://www.clevest.com)



### IDScan.net

IDScan.net has partnered with Panasonic to offer the first-ever rugged solutions for reading Machine Readable Zone (MRZ), allowing organizations to scan passports and IDs from anywhere in the world using the FZ-N1 hand held computer. The solution allows users to scan, capture, and verify data embedded in the MRZ, including name, country, date of birth, and expiration date- within seconds and with 100 percent accuracy. With the most robust parsing engine on the market, IDScan.net's solutions are completely customizable. IDScan.net offers a variety of features using the CF-33 2-in-1 Toughbook for added layers of identity verification, including facial recognition technology and the ability to run ID data against various watch lists. [www.IDScan.net](http://www.IDScan.net)

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### Omnitracs



Omnitracs' Roadnet Mobile application helps drivers of delivery vehicles better plan their trips. Serving industries such as foodservice, beverage distribution, retail, medical, automotive, and industrial supply, the technology enables proof of delivery, signature capture, and notifications between the office, drivers, and merchandisers. When tied to Omnitrac's routing software, managers and dispatchers can increase efficiencies by comparing planned delivery routes to actual GPS tracking data.

[www.omnitracs.com](http://www.omnitracs.com)



### DSI®

DSI® creates mobile-first and cloud supply chain solutions for the digital economy. Our mission is to make our customers successful as it relates to all things inventory in the digital economy. We continually immerse ourselves in our customers' business challenges, regardless of their industry or specific supply chain needs. Equipped with that knowledge, we create and deliver world-class technology solutions that enable DSI customers to run their businesses more efficiently, drive sustainable growth and make customers for life. [www.dsiglobal.com](http://www.dsiglobal.com)



### SOTI

SOTI is the world's most trusted provider of mobile and IoT device management solutions, with more than 17,000 enterprise customers and millions of devices managed worldwide. SOTI's innovative portfolio of solutions and services provide the tools organizations need to truly mobility their operations and optimize their mobility investments. SOTI extends secure mobility management to provide a total, flexible solution for comprehensive management and security of all mobile devices and connected peripherals deployed in an organization.

[www.dsiglobal.com](http://www.dsiglobal.com)



### JDA

JDA Software is the leading supply chain software provider powering today's digital transformations. We help companies optimize delivery to customers by enabling them to predict and shape demand, fulfill faster and more intelligently, and improve customer experiences and loyalty. More than 4,000 global customers use our unmatched end-to-end software and SaaS solutions to unify and shorten their supply chains, increase speed of execution, and profitably deliver to their customers. Our world-class client roster includes 76 of the top 100 retailers, 77 of the top 100 consumer goods companies, and 8 of the top 10 global 3PLs. Running JDA, you can plan to deliver. [www.jda.com](http://www.jda.com)

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## SOFTWARE SOLUTIONS – CERTIFIED ISVS

### Manhattan Associates



Manhattan Associates provides supply chain and omnichannel commerce solutions to the world's leading retail and logistics brands. Our solutions unite information across the enterprise, converging front-end sales with back-end supply chain execution to drive top-line growth and bottom-line profitability for our customers. With more than 1,200 customers worldwide, Manhattan's solutions have been used in hundreds of deployments and have fueled operations for 40% of retailers, including 16 of the top 20 apparel retailers. Manhattan Associates is proud to deliver an industry-leading platform for supply chain commerce convergence that can be deployed on-premise or in the cloud.



### AirWatch

AirWatch® Mobile Device Management enables businesses to address the challenges associated with mobility by providing a simplified, efficient way to view and manage all devices from the central admin console. Our solution enables you to enroll devices in your enterprise environment quickly, configure and update device settings over-the-air, and secure mobile devices. With AirWatch, you can manage a diverse set of operating systems devices from a single admin console.

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