Panasonic
CONNECT

TOUGHBOOK®

TOUGHBOOK N1 AND **N1 Tactical**— SOLUTION GUIDE

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FIRSTNET READY

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MOBILITY SOLUTIONS

TOUGHBOOK N1 AND N1 Tactical

Slim and lightweight 4.7" Android™ handheld with an angled barcode scanner or the Tactical variant with camera barcode scanning

The Panasonic TOUGHBOOK® 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, rain and glove-touch operational screen, and long-lasting battery that is warm-swappable; you won't miss a beat. When a flexible device is in demand, the TOUGHBOOK N1 and N1 Tactical deliver the Android operating system, giving you the ability to implement solutions in an open environment with thousands of enterprise grade applications. With additional support from Panasonic's Productivity+ ecosystem of development, deployment, and sustainment tools and services, we are ready to satisfy all who are involved in your organization from the IT department, operations management and end users. If it takes a seven-foot drop, don't worry—it can handle it, making it the choice for unrelenting conditions. All TOUGHBOOK N1 models are NIAP and FIPS certified for OS security specifications that meet Federal/DoD requirements and FirstNet Ready™ for Public Safety requirements.

FZ-N1

FZ-N1 Tactical

TOUGHBOOK N1 (Common to all SKUs)

- Android™ 11 (R)
- Qualcomm® SDM660-2 64bit 2.2GHzx4+1.8GHzx4
- 4 GB RAM and 64 GB flash with microSD card slot
- 4.7" High definition daylight-viewable display with glove, rain and stylus modes
- Multi-carrier dual SIM, 4G LTE with Verizon, AT&T, FirstNet Ready (Band 14) with voice options
- MIL-STD 810 certified with 7-foot drop resistance
- IP66 and IP68 sealed all-weather design
- 5MP front and 8MP rear camera with LED light
- Optional passive and active stylus pens
- GPS, NFC, Bluetooth v5.0, Wi-Fi, micro USB port and docking connector
- User-replaceable battery with warm-swap function
- Three microphones for superior noise suppression
- Dual front speakers delivering in total up to 100 dBA
- NIAP certified and FIPS Compliant
- 3-Year warranty with business class support as standard and optional 5-year warranty

TOUGHBOOK N1 Specs

- Integrated angled barcode scanner with bump-out keeps the screen facing the user while scanning
- Wi-Fi only options
- AT&T EPTT option
- Long life battery option

TOUGHBOOK N1 Tactical Specs

- No bump-out, thinner
- Camera barcode scanner with LED aimer
- No Wi-Fi only configurations
- Standard battery only
- AT&T EPTT option pending

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MOBILITY SOLUTIONS

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TOUGHBOOK®

TOUGHBOOK N1 AND N1 Tactical ECOSYSTEM

Software Solutions

SOTI

Power Management

Stylus

PROSERVICES

Lifecycle Support

Professional Services

FZ-N1

FZ-N1 Tactical

Vehicle Dock

Printers*

Desktop Docks/Charging

Carrying/Wearing Solutions

Cleaning & Protection

*For more details regarding printers, contact your Panasonic Sales Representative

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MOBILITY SOLUTIONS

POWER MANAGEMENT SOLUTIONS

Standard Battery Pack

- (3200 mAh)
- SKU: FZ-VZSUN110U

Long Life Battery Pack*
(Not for TOUGHBOOK N1 Tactical)

- (6400 mAh)
- SKU: FZ-VZSUN120U
  (with battery cover)
- SKU: FZ-VZSUN120W (without battery cover)

5-Bay Battery Charger

- Includes AC adapter (16v–100W)
  standard Panasonic TOUGHBOOK
  barrel connector and AC cord
- SKU: FZ-VCBN131M

AC Power Supply 16v output
Panasonic Barrel Output

- For use with charging cup
  (FZ-VCBN11U) and desk top cradles
  (60W) with 3-Prong AC cord. Fast charging.
- SKU: CF-AA6373A3M

AC Power Supply 5v output
Micro USB B Output

- 2-Prong AC Brick
- USB-A with USB-A to Micro USB-B cable
- For use directly connected to the FZ-N1
- SKU: FZ-AAE184EM

LIND Low Power Cigarette Lighter Adapter
(for only the TOUGHBOOK N1 and N1 Tactical), Panasonic Barrel Output

- 30W (12-32 Volt input)—16 Volt Output
- SKU: LI-UNDC30W

LIND Mil Spec Vehicle Charger
Panasonic Barrel Output

- 90W (12-32 Volt input)—
  16 Volt Output
- SKU: CF-LNDMLDC90

LIND Vehicle Charger For Forklifts
Panasonic Barrel Output

- DC/DC Isolated Forklift Charger
- 80W (20-60 VDC input)—16 Volt Output
- SKU: CF-LNDDC80I

LIND Cigarette Lighter Adapter
Micro USB B Output

- 10W (12-32 Volt input) 2A—
  5 Volt Output
- For use directly connected to the FZ-N1
- SKU: LI-N1UA5DC

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CARRYING SOLUTIONS

Panasonic Holster and Hand Strap*

- **Panasonic Holster**
  SKU: FZ-VSTN12U

- **Panasonic Hand Strap***
  SKU: FZ-VSTN11BU

Agora Edge Wearable Wrist Mount, Hand Strap,* Holster and Stylus Tether

- **Agora Edge Wrist Mount**
  Two-piece mount rotates
  vertically or horizontally
  SKU: AE-N1WSBL

- **Agora Edge Holster**
  Front flap swivel attachment
  with shoulder strap
  SKU: AE-N1HLTSS

- **Agora Edge Hand Strap***
  SKU: AE-N1HSTRP

- **Agora Edge Stylus Tether**
  3mm coil, compatible with
  FZ-N1, FZ-T1, FZ-L1, FZ-S1, FZ-A3
  SKU: AE-N1CTBL

Toughmate Hand Strap* and Slim Holster

- **Toughmate Hand Strap***
  SKU: TBCF1TSTP-LXL-P
  (Large-X-Lg—T Strap)

- **Toughmate Slim Holster**
  With Retention Strap
  SKU: TBCF1-SLMHSTR-P

*Hand Straps and long-life batteries are only compatible with the standard angled barcode reader FZ-N1, not the FZ-N1 Tactical.

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MOBILITY SOLUTIONS

DOCKING SOLUTIONS

Charging Cup and Stand

- AC adapter not included –purchase CF-AA6373A3M or appropriate LIND power supply for in-vehicle use.
- SKU: FZ-VCBN11U

Single Bay Desktop I/O Cradle
with built-in single battery charger

- AC adapter not included –purchase CF-AA6373A3M
- Includes both Ethernet and USB connectivity
- SKU:FZ-VEBN111U

Battery Charger   LAN

DC-In   USB-2.0

5-Bay Desktop Cradle

- Includes AC adapter (16v–100W) standard Panasonic TOUGHBOOK barrel connector and AC cord
- SKU: FZ-VCBN141M –Charge-Only
- SKU: FZ-VEBN141M –Charge with Ethernet I/O

LAN

DC-In

Gamber-Johnson Vehicle Dock

- Accommodates additional configuration options and certain hand straps. 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)
- SKU: GJ-N1-VD0 No Pass, Powered (Separately purchase appropriate LIND power supply with Panasonic barrel plug for in-vehicle use), Lock (Keyed-alike)

PRODUCTIVITY SOLUTIONS

Stylus Pen

- SKU: FZ-VNPN11U (Active Pen)
- SKU: CF-VNP021U (Passive Pen)

SECURITY & PROTECTION SOLUTIONS

Shatter Resistant Screen Protector
LCD Film (10 Sheets with applicator tool)

- SKU: FZ-VPFN11U

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MOBILITY SOLUTIONS

Professional Services—
Development, Deployment and Sustainment

Panasonic Connect Professional Services team offers the support needed to power your Android solution at every stage of the customer journey. From pre-deployment consulting to warranty and replacement services and end of life options, Panasonic keeps your mobile workforce productive and your mobile solution costs low.

Our Standard Warranty protects your TOUGHBOOK N1 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 tools 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. Each customer has a unique set of skills and needs. Panasonic ProServices can offer each customer the right solution to best fit their particular situation. Contained in this document are some of the most popular service options. For more information please contact your Panasonic representative or go to the ProServices website.

DEVELOPMENT

Panasonic's Android Engineering Team provides end users with a comprehensive technology partner to consult, design, and implement technically complex solutions in the Android environment. These services include:

Enterprise Custom Deployment Consulting Setup:
Provides custom engineering developed solutions such as custom scripting, MDM and infrastructure consulting, and other engineering centric deliverables designed to provide guidance in shortening time to market.

Rapid Application Development:
If you're new to Android or an Android veteran, Panasonic offers a diverse toolset to help get your user workflows and administrator capabilities moved to Panasonic Android devices.

Voice Picking Application Development:
Provides enhancements to traditional pick and pack operations by automating the picking of inventory with easy to use voice prompts.

Zero Touch Deployment Consulting Service:
This service provides Panasonic Zero Touch engineering resources to help guide customers through the process of designing and deploying Android hardware via Zero Touch deployment services. This service will include completion of a customer specific Zero Touch web portal for use in configuration of MDM and related systems to leverage Zero Touch.

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DEPLOYMENT

Panasonic offers a broad set of Deployment and associated services which provide high volume deployment capabilities that deliver TOUGHBOOK Technology into production right out of the box. These services include:

Standard Deployment at the Panasonic National Service Center in Memphis:

Comprehensive customized deployment service which provides high volume rapid delivery of production ready TOUGHBOOKs where they are needed—on time and on budget. This service includes single or dual sim installation, SD card installation (customer provided), installing tether, charging battery, asset tagging, MDM enrollment, and a comprehensive deployment report. Ground shipping to multiple locations is included.

• **SKUs:** FZ-SVTCHHDEP/200/500/1000

Basic Deployment at the Panasonic National Service Center in Memphis:

Basic deployment services providing high volume rapid delivery of bulk production ready devices—On time and on budget. This service includes installing one or two sim's, SD card (supplied by customer), tether, charging batteries, asset tagging & basic deployment report and ground shipping to one location.

• **SKUs:** FZ-SVTCHHBRZ/200/500/1000

ADDITIONAL DEPLOYMENT SERVICES

Kitting: Allows for delivery of accessories or non-Panasonic hardware during project deployment.

• **SKU:** FZ-SVTCHHKIT4

Wireless Activation: Includes wireless SIM card installation and activation during deployment services.

• **SKU:** FZ-SVTCHHWA

Storage: Staging and storage of devices and accessories in advance of production delivery timeline.

• **SKU:** FZ-SVTCHHSTORAGE

Additional Configuration: Additional custom configuration options are available—check with your Panasonic representative.

• **SKU:** FZ-SVTCHHCONFIG

Green Shipping Box: Custom box for bulk deployment of quantities up to 20 units per shipment. This service is designed to reduce the recyclable materials delivered to the end user site.

• **SKU:** FZ-SVTCHHBOX

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SUSTAINMENT SERVICES

Panasonic provides mobility hardware with the industries lowest failure rates, but things happen in rugged environments. Panasonic backs our industry leading hardware with comprehensive all-inclusive warranty offerings and associated services to keep your mobile fleet in the field and in production. Sustainment services include:

Ultimate Care with Android Premier OS Program

This coverage provides truly comprehensive coverage (Accidental Damage) for TOUGHBOOK Handheld computers for out of warranty repairs. No cap and no out of warranty billing for accidental damage for the term of the coverage. Even items like intentional damage, fire, natural disasters like flooding, hurricanes, etc., complete loss and theft (reported) are covered up to 2% of total deployment.

Included in these SKUs is our Android Premier OS Program that provides enterprise grade Android OS, maintenance, and security updates on a 45-day basis for up to 5 years after purchase for all Android versions supported on the TOUGHBOOK.

• **SKUs:** FZ-SVTCHHUCLT3Y/4Y/5Y (3, 4 and 5 years)
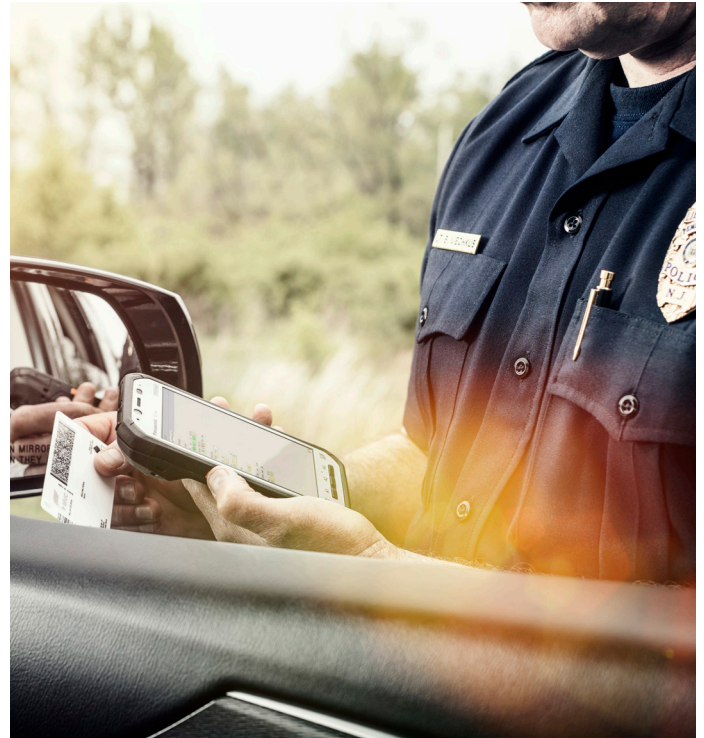
Extended Warranty

Extended Manufacturers Warranty—Extends the same standard warranty coverage on the TOUGHBOOK handheld with the exception of the battery. The cost of labor, parts, and shipping are included in the price of the Extended Warranty Program.

• **SKUs:** FZ-SVCHHEXT2Y/1Y/5Y
 (4 and 5 years, 4 years, 5 years)

Smart Battery Warranty

Remove budget requirements while keeping your TOUGHBOOK handhelds in top battery operating condition with this Panasonic proactive battery replacement warranty.

• **SKUs:** FZ-SVCBATSW3Y/5Y (3 and 5 years)

Advanced Exchange

Advanced exchange at Panasonic National Service Center in Memphis—unit ships via next day air from customer owned inventory for requests received prior to 5:00 EST.

• **SKUs:** FZ-SVTCHHAE3Y/4Y/5Y (3, 4 and 5 years)

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MOBILITY SOLUTIONS

ADDITIONAL SUSTAINMENT SERVICES

SMART SERVICE SUITE

Smart Service (Predictive Analytics): TOUGHBOOK Smart Service delivers real time predictive analytics, proactively reporting device health and smart battery health and activity across the enterprise mobility estate.

Smart Service

• **SKU:** FZ-SVCB2MSSD3Y/4Y/5Y

Smart Device Essentials: Provides insight into the health of a device as it relates to end user experienced issues such as utilization, power events, and system reboots.

Smart Device Essentials software for Android TOUGHBOOKs

• **SKU:** FZ-SVCB2MDE3Y/4Y/5Y

Smart Battery Essentials: Provides real-time reporting of TOUGHBOOK battery health and can be used to manage battery refresh requirements across large device estates.

Smart Battery Monitoring; battery analytics subscription

• **SKU:** FZ-SVCB2MBM3Y/4Y/5Y

Combination SKUs:

Smart Device Essentials and Smart Battery Essentials

• **SKU:** FZ-SVCB2MBDE3Y/4Y/5Y

Smart Battery, Smart Device and Smart Service Software

• **SKU:** FZ-SVCB2MCMB3Y/4Y/5Y

VULOCK SCREEN BLANKING SOFTWARE

Blanks TOUGHBOOK screens while the device is in motion. Allows for whitelisting of mission critical applications to appear such as CAD and point to point navigation.

VuLock Powered by DriveScreen with Smart Port

• **SKU:** ST-DEPINHHVPD01

VuLock Powered by DriveScreen with Motion Sensor (For forklifts)

• **SKU:** ST-DEPINHHVPD02

SOTI Mobile Device Management

SOTI MobiControl CLOUD license and hosting—MONTHLY

• **SKU:** FZ-HHSOTIBCLM

SOTI Enterprise Support—MONTHLY

• **SKU:** FZ-HHSOTIENTSUPM

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