



## TOUGHPAD FZ-N1

- Android 5.1.1
- Angled barcode scanner increases productivity
- Industry leading quad-core processor by Qualcomm®
- Dual SIM multi-carrier 4G LTE data support with cellular voice capability
- High volume 100db speaker with noise suppression and echo cancellation microphone
- MIL-STD-810G, 6' Drop, All-weather IP65 and IP67 Dust and Water-resistant design
- Patented rain sensing and glove touch enabled screen technology
- 3 Year Warranty with business class support

6-FOOT  
DROP RATING

IP65

IP67

MIL-STD-  
810G

## FULLY RUGGED HANDHELD WITH THE ANDROID OPERATING SYSTEM AND UNIQUE BARCODE READER DESIGN

Introducing the Panasonic Toughpad® 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 a quad-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 Panasonic 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 Android 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 FZ-N1 is ready to go where business takes you. And if it takes a six-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.

1.800.662.3537

[us.panasonic.com/toughpad/N1](http://us.panasonic.com/toughpad/N1)

**TOUGHBOOK®**

# TOUGHBOOK FZ-N1

|  |   |
|--|---|
| <b>DURABILITY</b>                              | <ul style="list-style-type: none"> <li>MIL-STD-810G (shock, vibration, rain, dust, sand, altitude, freeze/thaw, high/low temperature, temperature shock, humidity)</li> <li>IP65 and IP67 sealed all-weather design</li> <li>6' drop-resistant and tumble tested (1000 tumbles, 3.3ft. 5 rpm)</li> <li>Port covers</li> <li>Raised bezel for LCD impact protection</li> </ul>   |
| <b>SOFTWARE</b>                                | <ul style="list-style-type: none"> <li>Android 5.1.1 (Lollipop)<sup>12</sup></li> </ul>   |
| <b>CPU</b>                                     | <ul style="list-style-type: none"> <li>Qualcomm® MSM8974AB 2.3GHz Quad Core</li> </ul>  |
| <b>STORAGE &amp; MEMORY</b>                    | <ul style="list-style-type: none"> <li>Memory 2GB<sup>1</sup></li> <li>Storage eMMC: 16 GB<sup>1</sup> <ul style="list-style-type: none"> <li>Additional storage available with optional Storage Card: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB)<sup>2</sup></li> </ul> </li> </ul>   |
| <b>DISPLAY</b>                                 | <ul style="list-style-type: none"> <li>4.7" high definition 1280 x 720 daylight-viewable display</li> <li>10-point capacitive multi touch with glove touch mode           <ul style="list-style-type: none"> <li>Optional Passive pen</li> <li>Rain sensing touch mode<sup>4</sup></li> <li>2-500 nit</li> <li>IPS display with direct bonding</li> <li>Anti-reflective treatments</li> <li>Automatic screen rotation</li> </ul> </li> </ul>  |
| <b>AUDIO</b>                                   | <ul style="list-style-type: none"> <li>Integrated microphone (x 3)</li> <li>Loud volume twin speakers up to 100 db</li> <li>Noise suppression and echo cancellation engine</li> </ul>   |
| <b>KEYBOARD &amp; INPUT</b>                    | <ul style="list-style-type: none"> <li>10-point gloved multi touch</li> <li>5 buttons (user-definable)</li> <li>On-screen QWERTY keyboard</li> </ul>  |
| <b>SENSORS</b>                                 | <ul style="list-style-type: none"> <li>Ambient light sensor, digital compass, gyro and acceleration sensors</li> </ul>  |
| <b>CAMERAS</b>                                 | <ul style="list-style-type: none"> <li>Full HD 5MP webcam</li> <li>Full HD 8MP rear camera with LED light</li> </ul>  |
| <b>EXPANSION</b>                               | <ul style="list-style-type: none"> <li>microSDXC (up to 64 GB)<sup>2</sup></li> </ul>   |
| <b>INTERFACE</b>                               | <ul style="list-style-type: none"> <li>Docking connector 9-pin</li> <li>Micro-USB 2.0 (x 1)<sup>3</sup> 4-pin</li> <li>Headphone &amp; microphone Mini-jack stereo</li> <li>xPak interface 9-pin</li> </ul>   |
| <b>WIRELESS</b>                                | <ul style="list-style-type: none"> <li>Qualcomm® WCN3680B IEEE802.11 a/b/g/n/ac</li> <li>Qualcomm® MSM8744AB - 4G LTE, HSPA+, UMTS, EDGE, GPRS, GSM, CDMA 1x, EVDO Rev.A</li> <li>Micro SIM card slot (x 2)</li> <li>Bluetooth® v4.1 LE (class 1)</li> <li>GPS 2m CEP50 (±2 to 4m) GLONAS</li> <li>Near Field Communication (NFC)           <ul style="list-style-type: none"> <li>Type A, Type B, Felica</li> </ul> </li> </ul>  |
| <b>POWER SUPPLY<sup>5,6,7,8,9</sup></b>        | <ul style="list-style-type: none"> <li>Standard battery: Li-ion 3.8V, 3,200 mAh</li> <li>Optional long life battery: Li-ion 3.8V, 6,400mAh</li> <li>Standard battery operation:           <ul style="list-style-type: none"> <li>Standby up to 700 hours; Talk up to 24 hours; Barcode up to 12 hours</li> </ul> </li> <li>Long life battery operation:           <ul style="list-style-type: none"> <li>Standby up to 1400 hours; Talk up to 48 hours; Barcode up to 24 hours</li> </ul> </li> <li>Continuous use data:           <ul style="list-style-type: none"> <li>8 to 16 hours</li> </ul> </li> <li>Warm Swap:           <ul style="list-style-type: none"> <li>A minimum of 30 seconds</li> </ul> </li> <li>Standard battery charging time:           <ul style="list-style-type: none"> <li>Power on approx. 2 hours</li> </ul> </li> <li>Long Life battery charging time:           <ul style="list-style-type: none"> <li>Power on approx. 3.3 hours</li> </ul> </li> <li>Micro-USB charging capability sold separately</li> </ul> |
| <b>POWER MANAGEMENT</b>                        | <ul style="list-style-type: none"> <li>Consumption approx. 15W</li> <li>Warm swap battery - Keeps applications active minimum of 30 seconds</li> </ul>  |
| <b>SECURITY FEATURES</b>                       | <ul style="list-style-type: none"> <li>FIPS140-2 level-1 compliant</li> <li>ARM® TrustZone® (Built-in)</li> </ul>   |
| <b>WARRANTY</b>                                | <ul style="list-style-type: none"> <li>3-year limited warranty, parts and labor</li> </ul>  |
| <b>DIMENSIONS &amp; WEIGHT<sup>10,11</sup></b> | <ul style="list-style-type: none"> <li>2.9" x 6.1" x 0.6"/1.2" (barcode reader section)</li> <li>Approx. 0.61 lb.</li> </ul>  |

## KEY FEATURES

- 1D/2D barcode reader

## ACCESSORIES

|   |              |
|---|--------------|
| AC Adapter (3-prong) [Not included with the FZ-N1. The FZ-N1 must be charged from its bottom connector in a desktop cradle or charging cup (fast charging) or a standard micro-USB charger (slow charging) using its micro-USB port at the top right side.] | CF-AA6373AM  |
| Charging Cup with desktop stand (charge-only) for FZ-N1, FZ-F1, (No Power Supply, nor AC cord)  | FZ-VCBN11U   |
| Standard Battery 3,200mAh for FZ-N1, FZ-F1  | FZ-VZSUN110U |
| Extended Battery with extended battery cover 6,400mAh for FZ-N1, FZ-F1  | FZ-VZSUN120U |
| Single Bay Desktop I/O Cradle for FZ-N1, FZ-F1, built-in single battery charger (No Power Supply nor AC cord)   | FZ-VEBN111U  |
| 4-Bay Desktop I/O Cradle for FZ-N1, FZ-F1 with 110W Power Supply and AC cord  | FZ-VEBN121M  |
| 4-Bay Battery Charger for FZ-N1, FZ-F1 with 110W Power Supply and AC cord   | FZ-VCBN121M  |
| Passive (optional) Stylus   | CF-VNP021U   |
| Protective Film (10 Sheets) for FZ-N1, FZ-F1  | FZ-VPFN11U   |
| Holster with belt for FZ-N1, FZ-F1  | FZ-VSTN12U   |
| Hand strap (Large) for FZ-N1, FZ-F1   | FZ-VSTN11U   |

Please consult your reseller or Panasonic representative before purchasing. Specifications given herein may be changed at any time without prior notice.

<sup>1</sup> 1 MB = 1,048,576 bytes, 1 GB = 1,073,741,824 bytes

<sup>2</sup> Operation has been tested and confirmed using the following Panasonic brand memory cards: SD (up to 2 GB), SDHC (up to 32 GB), SDXC (up to 64 GB). Compatibility with other SD devices is not guaranteed.

<sup>3</sup> Does not guarantee operation of all USB-compatible peripherals.

<sup>4</sup> 1 finger point touch is available in rain sensing touch mode

<sup>5</sup> The AC adaptor is designed for use with power sources that supply up to 240 V AC. The included AC cord is designed for use with power sources that supply up to 300V AC.

<sup>6</sup> Actual performance varies depending on usage conditions, connected peripherals, etc. Typically, operating time is reduced in colder environments.

<sup>7</sup> Talk time may vary according to cellular network condition. Measured with VOIP application.

<sup>8</sup> When the battery is fully charged (or not being charged) and the unit is off.

<sup>9</sup> Rated power consumption.

<sup>10</sup> Actual size may vary by unit configuration.

<sup>11</sup> Average weight. Actual weight may vary by unit configuration.

<sup>12</sup> Product functionality cannot be guaranteed if the operating system is modified or replaced by the user or a third party.



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