



# TOUGHBOOK FZ-N1

## 4.7" SLIM AND LIGHTWEIGHT HANDHELD TABLET WITH ANGLED REAR BARCODE READER

The Toughbook FZ-N1 with Android™ 8.1 is one of the thinnest and most lightweight handheld tablets in the 4.7" category. The device offers numerous unique features, including an angled rear barcode reader which protects users from repetitive strain and enhances productivity, and an optional passive and active pen for precise handwriting and signature capture.

This cutting-edge device has been designed for mobile workers in the postal and courier services, transportation and logistics, emergency and public safety, utilities, retail, manufacturing and defence sectors.

- Android™ 8.1
- 4G LTE / 3G data and voice capability
- Integrated 1D/2D angled rear barcode reader
- Qualcomm® SDM6603-2 Octa-core processor
- 3GB RAM, 32GB storage and microSD card slot
- 4.7" HD (1280 x 720) sunlight-readable display with glove and rain mode
- Optional passive and active pen for precise signatures
- MIL-STD 810G certified with 2.1-metre drop\* resistance
- IP66/ IP68 rated
- 8MP rear and 5MP front camera
- User-replaceable battery with warm-swap function
- NFC, Bluetooth 5.0, 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 independent third party lab following MIL-STD-810G and IEC 60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3



**TOUGHBOOK**





# A BETTER ANGLE ON BUSINESS

## FULLY FEATURED 4.7" HANDHELD TABLET

The FZ-N1 brings together the best of handheld, smartphone and barcode reader functionality into a single rugged and hard working tablet. Thanks to its fully-rugged design, with MIL-STD-810G certification, IP66/IP68 rating, 2.1-metre drop resistance\* and the ability to withstand as many as 1,000 tumbles from a height of 1 metre, the device delivers a long life span and very low TCO. The user-replaceable and warm-swappable battery, combined with a range of accessories such as carry and mounting solutions, make it a truly mobile device.



|                               |   |  |  |
|-------------------------------|---|--|--|
| Mobile Computing Platform     | Qualcomm® SD660-2 Octa-core processor<br>2.2GHz x4 + 1.8GHz x4  |  |  |
| Operating system              | Android™ 8.1  |  |  |
| Memory & Storage              | 3GB RAM<br>32GB eMMC  |  |  |
| Display                       | 4.7" HD (1280x720 pixels), 16:9 aspect ratio  |  |  |
|                               | Touchscreen:  | 10 point multi-touch capacitive touchscreen with glove and rain mode                           |  |
|                               | Sunlight viewable (up to 500 cd/m2)   |  |  |
|                               | Anti reflective and anti glare screen treatments<br>Supports both passive pen and active pen as default |  |  |
| Camera                        | Rear:   | 8 MP with bright LED light (Video: 1920 x 1080 pixels (FHD) 30 fps, Still: 3264 x 2448 pixels) |  |
|                               | Front:  | 5 MP (Video: 1920 x 1080 pixels (FHD) 30 fps, Still: 2592 x 1944 pixels)                       |  |
| Expansion Slots               | Micro SDXC card slot (max. 64GB)  | x1   |  |
| Interface                     | micro USB 2.0:  | x1 (for charging and data transfer)  |  |
|                               | Cradle Interface  | x1   |  |
|                               | Headset jack  | x1 (3.5mm)   |  |
| Connectivity                  | Bluetooth®:   | Version 5.0 (Class 1)  |  |
|                               | WLAN:   | IEEE802.11 a/b/g/n/ac  |  |
|                               | WWAN:   | LTE, HSPA+, UMTS, EDGE, GPRS, GSM  |  |
|                               | GPS:  | GLONASS CEP50 (±2 to 4m)   |  |
|                               | NFC:  | Yes, (Support Type A,B, FeliCa, ISO15693)  |  |
| Power                         | Battery:  | Standard: Li-ion 3.8V, 3200 mAh (typ.) / Large: Li-ion 3.8V, 6400 mAh (typ.) (option)          |  |
|                               | On User Profile**:  | Approx. 12 hours - Standard Battery<br>Approx. 19 hours - Large Battery (option)               |  |
|                               | Talk time:  | Approx. 27 hours - Standard Battery<br>Approx. 44 hours - Large Battery (option)               |  |
|                               | AC Adapter (USB charger and USB cable)  |  |  |
| Security technology           | FIPS140-2-level-1 compliant, ARM® TrustZone® (Built-in)   |  |  |
| Dimensions (W x H x D)        | 74mm x 156mm x 16.3mm/31mm (barcode reader section) - Standard Battery                                  |  |  |
|                               | 74mm x 156mm x 26mm/31mm (barcode reader section) - Large Battery (option)                              |  |  |
| Weight                        | Approx. 274g - Standard Battery<br>Approx. 365g - Large Battery (option)                                |  |  |
| Barcode                       | Angled rear barcode reader with aimer and light, 44 types of 1D/2D barcodes supported.                  |  |  |
| Accessories                   | Cradle  | SG: FZ-VEBN111Y<br>MY: FZ-VEBN1116<br>TH: FZ-VEBN1115  |  |
|                               | 4-Bay Cradle  | SG: FZ-VEBN121Y<br>TH: FZ-VEBN1215   |  |
|                               | 4-Bay Battery Charger   | SG: FZ-VCBN121Y<br>TH: FZ-VCBN1215   |  |
|                               | Active Stylus   | FZ-VNPN11U   |  |
|                               | Holster   | FZ-VSTN12U   |  |
|                               | Hand Strap  | FZ-VSTN11AU  |  |
|                               | Battery Pack  | (S) FZ-VZSUN110U<br>(L) FZ-VZSUN120U   |  |
|                               | Protective film   | FZ-VPFN11U   |  |
|                               | Charging Cup  | FZ-VCBN11U   |  |
|                               | Ruggedisation   | MIL-STD-810G certified   |  |
|                               |   | Fully rugged design with sealed ports  |  |
| Gravity drop resistance test: |   | 210cm***   |  |
| Tumble resistance test:       |   | 1.0m drop, 1,000 tumbles (2,000 drops)   |  |
| Dust & Water resistance test: |   | IP66/ IP68***  |  |
| Operating temperature:        |   | -20°C to +50°C {-4°F to 122°F}   |  |
| Storage temperature:          | -30°C to +70°C {-22°F to 158°F}   |  |  |

