**PRODUCT SPEC SHEET**
**WT41N0**



# WT41N0

## THE NEXT GENERATION IN RUGGED WEARABLE VOICE AND DATA MOBILE COMPUTERS

**Easily increase productivity and eliminate errors in your warehouse or distribution center with next generation hands-free voice and data.** With the major increase in package volume driven by multi-channel support, demands for the ultimate in customer service, plus increasing regulations for traceability, you need to move more items through your warehouse or distribution center and capture more information about those items than ever before. With the WT41N0 wearable mobile computer on the arms of your workers, you will. Now, workers can keep their hands and eyes on the materials they are handling — no time is lost handling paper or a handheld mobile device. Add a ring-style scanner worn on a finger and workers can capture 1-D and 2-D bar codes on the fly, able to document the path of that item for full traceability — and verify that the right items are in the right orders, shipped to the right customers at the right time. The result? Improved customer satisfaction and loyalty. More throughput with the same staff, driving staff utilization up. And less time spent capturing more information on item movement, driving the cost of compliance with traceability regulations down.

### SUPERIOR APPLICATION PERFORMANCE

The WT41N0 offers the most power of any device in its class, with a dual core processor and an operating system that can take advantage of both processors — Windows Embedded Compact 7, Microsoft's latest mobile operating system. Combined with 2GB Flash memory and support for 802.11a/b/g/n wireless LANs, this wearable mobile device delivers the processing power and network throughput required to deliver consistent, lightning-fast application performance and reliability.

### POWERFUL VOICE FUNCTIONALITY

A new built-in microphone enables push-to-talk (PTT) calls and voice-directed applications without a headset, helping reduce costs. The ability to simultaneously support multiple audio sources greatly enriches functionality.

### ALL THE RIGHT ACCESSORIES

Enrich the functionality of this hands-free solution with our complete accessory family. Our RS507 and RS419 ring scanners give your workers hands-free scanning that boosts productivity in the most scan intensive applications. Our rugged yet highly-cost effective cabled headset provides crystal clear voice in the noisiest and most demanding environments.

### READY FOR RUGGED ENVIRONMENTS

Workers can drop, bump or even spill liquid on the WT41N0, yet still expect reliable operation. In addition, the improved touchscreen has been hardened, making it virtually impervious to scratches. And stainless steel connectors combine with an improved coating on the rear cleat to eliminate corrosion and increase durability at accessory attachment points.

Improve the productivity and accuracy of your workers with best-in-class hands-free computing.
To find out how, visit **www.zebra.com/wt41n0** or access our global contact directory at **www.zebra.com/contact**.

## SPECIFICATIONS

**PHYSICAL AND ENVIRONMENTAL**                    **USER ENVIRONMENT**

### FEATURES

**Ergonomic hands-free wearable design**
Award-winning ergonomic design increases user comfort and productivity

**High-performance nextgeneration platform**
Best-in-class dual core processor provides the power to run virtually any enterprise application

**802.11a/b/g/n WLAN**
Easily connects to existing WLAN for fast integration; 802.11n and support for advanced Zebra's WLAN features greatly improves wireless network bandwidth, performance and reliability, while reducing power consumption and improving voice performance

**Supports text-only, voiceonly and combination text and voice applications**
Eliminates the effort and cost associated with purchasing and supporting multiple hardware systems for different types of applications

**Wide temperature range**
Designed to operate across a wide temperature range ensures operation in

## CHARACTERISTICS

| | |
|---|---|
| **Dimensions** | 5.7 in. L x 3.7 in. W x 1.0 in. H<br>142 mm L x 93 mm W x 26 mm H |
| **Weight** | Terminal w/ Standard Battery:<br>11.3 oz. (8.4 oz. + 2.9 oz.)<br>320.3 g (238.1 g + 82.2 g)<br>Terminal w/ Extended Battery:<br>13 oz. (8.4 oz. + 4.6 oz.)<br>369.8 g (238.1 g + 131.7 g)<br>Holder: 2.5 oz./70.9 g (inc. straps and<br>cushion) |
| **Keyboard** | 23 key alpha-numeric for alpha entry: legacy<br>color-coded alpha entry |
| **Display Type** | Backlit color TFT, touch screen available |
| **Display Resolution** | QVGA in landscape mode (320 x 240) |
| **Power** | PowerPrecision Li-Ion batteries<br>Two options: High Capacity 4800 mAh or Standard Capacity 2400 mAh |

## PERFORMANCE CHARACTERISTICS

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|---|---|
| **Processor** | Dual Core OMAP 4 @ 1GHz |
| **Operating System** | Microsoft Windows Embedded Compact CE 7.0 |
| **Memory** | 512 MB RAM; 2 GB Flash |
| **Application Development** | Microsoft IDEs and Zebra SDKs |
| **Data Capture Options** | Wearable scanners RS507, RS419, RS409 and RS309 are optional accessories |
| **Communications** | USB (Host and Client) |

## WIRELESS DATA COMMUNICATIONS

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|---|---|
| **WLAN** | IEEE 802.11a/b/g/n |
| **Output Power** | 100 mW U.S. and international |
| **Data Rate** | 802.11a: up to 54 Mbps<br>802.11b: up to 11 Mbps<br>802.11g: up to 54 Mbps<br>802.11n up to 72.2 Mbps |
| **Antenna** | Internal with Diversity |
| **Frequency Range** | Country dependent — typically:<br>802.11b/g: 2.4 to 2.5 GHz<br>802.11a: 5.0 GHz<br>802.11n: 2.5 and 5.0 GHz |
| **WPAN** | Bluetooth 2.1 + EDR |

## RECOMMENDED SERVICES

Service from the Start with Comprehensive Coverage: Complete support program covers normal wear and tear as well
as accidental damage and includes technical telephone

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|---|---|
| **Operating Temp.** | -4° to 122° F/-20° to 50° C<br>-22° to 122° F/-30° to 50° C |
| **Storage Temp.** | -40° to 158° F/-40° to 70° C |
| **Humidity** | 5% to 95% non-condensing |
| **Drop Spec** | Multiple drops to concrete: 4 ft./1.2 m<br>across the operating temperature range |
| **Tumble Spec** | 500 one-half meter tumbles at room<br>temperature (1,000 drops) |
| **Sealing** | IP54 |
| **Electrostatic Discharge (ESD)** | EN61000-4-2 15kV Air, 8kV contact,<br>8kV indirect |

## PERIPHERALS AND ACCESSORIES

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|---|---|
| **Cradles** | Single-slot USB charging cradle with spare<br>battery well; four-slot Ethernet charging cradle |
| **Printers** | Supports extensive line of approved printers |
| **Charger** | Four-slot battery charger |
| **Mounts** | Wrist-mount and hip-mount accessories<br>are available |
| **Other Accessories** | RS507/RS419/RS409/RS309 wearable scanners; RCH51 rugged headset; headset adapters; freezer pouches that extend the operating temperature range |

## REGULATORY

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|---|---|
| **Electrical Safety** | Certified to UL60950-1, CSA C22.2 No. 60950-1, EN60950/IEC 60950-1 plus all national deviations |
| **EMC** | FCC Part 15 Subpart B, ICES-003 Class B, EN 61000-3-2, EN 61000-3-3, CISPR 22 Class B, CISPR 24, EN 301 489-1, EN 301 489-17 |
| **RF** | FCC Parts 15.247, 15.407, 15.205, 15.207, 15.209, 15.203, EN 300 328, EN301 893, RSS-100, RSS-210, ARIB STD-66 & 33, ARIB STD-T71, AS/NZS 4268 |

## VOICE AND AUDIO

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|---|---|
| **Audio** | AC97 Compatible Codec to play audio over speaker or headset; microphone; simultaneous audio |
| **Push-to-Talk** | PTT (client included); wired headset support, PTT will support headset and |

virtually all environments of the warehouse, including -4° F/ -20° C (-22° F/-30° C with freezer pouch)

**2.8 in. color QVGA display with backlight**

Excellent at-a-glance readability in nearly any lighting condition; optional hardened touchscreen improves display lifecycle and enables easy data input

**IP54 sealing; tumble tested; and a 4 ft./1.2 m drop specification across entire operating temperature range**

Maximizes uptime and ensures dependable operation in demanding environments including cold storage; reduces device replacement costs

**Secure WLAN communications**

Robust support for the latest security protocols keeps your data safe

**Backwards compatibility with all WT4000 accessories**

Support for the wearable scanners, rugged headsets, cradles and cables for the WT4000 allows you to cost-effectively upgrade to the very latest in wearable technology

**Supports Zebra's best-inclass device management solution**

Centrally manage your WT41N0 wearable computers as well as all other Zebra and third party mobile devices in use in your business with Zebra's Mobility Services Platform (MSP)

support,
software support and repair.

Device and Asset Management Services:
Provides fully-managed deployment, optimization and device
management services.

| | speakerphone mode |
|---|---|
| **Voice Directed Picking** | TekSpeech Pro Certified; Compatible with 3rd party VDP clients |

### Supports Zebra Technologies RhoMobile best-in-class operating system-agnostic applications

Integrated support for RhoMobile applications allows easy and costeffective development and deployment of a single application version that runs on practically any device, regardless of operating system or screen size

### Push-to-talk (PTT) ready

Supports PTT capability, allowing users to reach and be reached at the press of a single button, improving collaboration and responsiveness

**ZEBRA TECHNOLOGIES**