

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



# WT41N0 VOW

## THE NEXT GENERATION IN RUGGED WEARABLE VOICE-ONLY MOBILE COMPUTERS

Set your workers' hands free to increase productivity and eliminate errors in your warehouse or distribution center with next generation hands-free voice applications. If your workers are handling packages in a parcel and post sortation facility or moving materials in, through and out of the warehouse, give them powerful voice-directed applications that will let them get the job done faster and right in every inch of your warehouse — including the freezer. With the WT41N0 VOW on the arm or hip of your workers, voice direction can walk them through their tasks, so they can keep their hands and eyes on the items they are moving. Workers can count on crystal clear voice quality. Voice-directed applications are highly intuitive, so there is very little training required. And applications are easily delivered in the native language of your workers.

### 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 — the latest Microsoft mobile operating system, Windows Embedded Compact 7. Combined with 2GB Flash memory and support for 802.11a/b/g/n wireless LANs, the device delivers the processing power and network throughput required to deliver consistent, lightning-fast application performance and reliability.

### POWERFUL VOICE FUNCTIONALITY

Create highly intuitive and easy-to-use voice-directed applications with support for voice recognition and text-to-speech engines. A new built-in microphone eliminates the need for a headset, reducing the costs of voice-directed applications. And the ability to simultaneously support multiple audio sources greatly enriches functionality. For example, an associate in training can use a wired headset for voice picking, while a supervisor standing near the trainee can listen in via a Bluetooth headset.

### INSTANT RS507 BLUETOOTH PAIRING

Users can instantly add hands-free 1-D and 2-D scanning at the start of a shift by simply scanning the special Bluetooth pairing bar code printed directly on the WT41N0 VOW with the Zebra RS507 Bluetooth ring-scanner.

### FEATURES

#### Rugged voice-dedicated task-specific tool

Easy-to-use rugged tool for voice-directed applications

#### Ergonomic hands-free wearable design

Award-winning ergonomic design increases user comfort and productivity

#### High-performance next-generation 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

## 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

A drop and tumble test plus an IP sealing rating provide true peace of mind — you can count on reliable operation even if workers drop, bump or spill liquid on the WT41N0. Stainless steel connectors and an improved coating on the rear cleat eliminate corrosion and increase durability at accessory attachment points. The result is superior uptime, a rapid return on investment and a low total cost of ownership.

Improve the productivity and accuracy of your workers with best-in-class voice-directed hands-free computing. To find out how, visit [www.zebra.com/zt41n0vow](http://www.zebra.com/zt41n0vow) or access our global contact directory at [www.zebra.com/contact](http://www.zebra.com/contact)

## SPECIFICATIONS

### PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

<b>Dimensions</b>	5.7 in. L x 3.7 in. W x 1.0 in. H 142 mm L x 93 mm W x 26 mm H
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<b>Weight</b>	Terminal ships with extended battery: 12.2 oz. (7.5 oz. + 4.6 oz.) 346.0 g (214.3 g + 131.7 g)
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<b>Keyboard</b>	3 software-programmable keys
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<b>Power</b>	 PowerPrecision Lithium ion battery 4600 mAh
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### PERFORMANCE CHARACTERISTICS

<b>Processor</b>	Dual Core OMAP 4 @ 1GHz
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<b>Operating System</b>	Microsoft Windows Embedded Compact CE 7.0
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<b>Memory</b>	512 MB RAM; 2 GB Flash
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<b>Application Dev</b>	Microsoft IDEs and Zebra SDKs
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<b>Data Capture Options</b>	Wearable scanners RS309, RS409, RS419 and RS507 are optional accessories
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<b>Communications</b>	USB (Host and Client)
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<b>Frequency Range</b>	Country dependent — typically: <i>802.11b/g</i> : 2.4 to 2.5 GHz <i>802.11a</i> : 5.0 GHz <i>802.11n</i> : 2.5 and 5.0 GHz
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<b>WPAN</b>	Bluetooth 2.1 + EDR
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### VOICE AND AUDIO

<b>Audio</b>	AC97 Compatible Codec to play audio over speaker or headset; microphone; simultaneous audio
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<b>Push-to-Talk</b>	PTT (client included); wired headset support, PTT will support headset and speakerphone mode
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<b>Voice Directed Picking</b>	 TekSpeech Pro Certified; Compatible with 3rd party VDP clients
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### PERIPHERALS AND ACCESSORIES

<b>Cradles</b>	Single-slot USB charging cradle with spare battery well; four-slot Ethernet charging cradle
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<b>Printers</b>	Supports extensive line of approved printers
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<b>Charger</b>	Four-slot battery charger
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<b>Mounts</b>	Wrist-mount and hip-mount
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advanced Zebra WLAN features greatly improves WLAN bandwidth, performance and reliability for improved voice performance

### Wide temperature range

Designed to operate across a wide temperature range ensures operation in virtually all environments of the warehouse, including -4° F/ -20° C (-22° F/-30° C with freezer pouch)

### Support for voice-recognition, text-to-speech engines and robust Voice-over-WLAN (VoWLAN)

Easy to develop and deploy feature-rich voice-directed applications

### Easy Bluetooth pairing

Just scan the bar code printed on the WT41N0 VOW with the RS507 1-D/2-D Bluetooth imager for split second pairing

### 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

**USER ENVIRONMENT**

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

**WIRELESS DATA COMMUNICATIONS**

<b>WLAN</b>	IEEE 802.11a/b/g/n
<b>Output Power</b>	100 mW U.S. and international
<b>Security</b>	WEP2 (40 or 128 bit), TKIP, TLS, TTLS (MS-CHAP), TTLS (MS-CHAP v2), TTLS (CHAP), TTLS-MD5, TTLS-PAP, PEAP-TLS, PEAP (MS-CHAP v2), AES, LEAP, CCX v3

**WIRELESS DATA COMMUNICATIONS (CONTINUED)**

<b>Data Rate</b>	802.11a: up to 54 Mbps 802.11b: up to 11 Mbps 802.11g: up to 54 Mbps 802.11n up to 72.2 Mbps
<b>Antenna</b>	Internal with Diversity

accessories available

<b>Other Accessories</b>	RS507/RS419/RS409/RS309 wearable scanners; RCH51 rugged headset; headset adapters and freezer pouches that extend operating temperature range
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**REGULATORY**

<b>Electrical Safety</b>	Certified to UL60950-1, CSA C22.2 No. 60950-1, EN60950/IEC 60950-1 plus all national deviations
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<b>EMC</b>	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
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<b>RF</b>	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
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**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 support, software support and repair.

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

**Secure WLAN communication:**

Robust support for the latest security protocols keeps your data safe

**Compatibility with Zebra's rugged wearable scanners**

Easily expand functionality with robust bar code scanning for superior future proofing and investment protection

**Compatible with Zebra's RCH51 lightweight, rugged and affordable headset**

Provides an end-to-end cost-effective and complete voice-directed platform

**Supports Zebra's best-in-class 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 Mobility Services Platform (MSP)

**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**

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