



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

# WT41N0 VOW

**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 1D and 2D scanning at the start of a shift by simply scanning the special Bluetooth pairing bar code printed directly on the WT41N0 VOW with the Motorola Solutions RS507 Bluetooth ring-scanner.

### 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.

### 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 advanced Motorola Solutions' 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 1D/2D Bluetooth imager for split second pairing

Improve the productivity and accuracy of your workers with best-in-class voice-directed hands-free computing. To find out how, visit [www.motorolasolutions.com/WT41N0VOW](http://www.motorolasolutions.com/WT41N0VOW) or access our global contact directory at [www.motorolasolutions.com/contactus](http://www.motorolasolutions.com/contactus)

## SPECIFICATIONS

### PHYSICAL AND ENVIRONMENTAL CHARACTERISTICS

Dimensions	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
Weight	Terminal ships with extended battery: 12.2 oz. (7.5 oz. + 4.6 oz.) 346.0 g (214.3 g + 131.7 g)
Keyboard	3 software-programmable keys
Power	 PowerPrecision Lithium ion battery 4600 mAh

### PERFORMANCE CHARACTERISTICS

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

### USER ENVIRONMENT

Operating Temp.	-4° to 122° F/-20° 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 across the operating temperature range
Tumble Spec	500 one-half meter tumbles at room temperature (1,000 drops)
Sealing	IP54
Electrostatic Discharge (ESD)	EN61000-4-2 15kV Air, 8kV contact, 8kV indirect

### WIRELESS DATA COMMUNICATIONS

WLAN	IEEE 802.11a/b/g/n
Output Power	100 mW U.S. and international
Security	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)

Data Rate	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
Antenna	Internal with Diversity

Frequency Range	Country dependent — typically: 802.11b/g: 2.4 to 2.5 GHz 802.11a: 5.0 GHz 802.11n: 2.5 and 5.0 GHz
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WPAN	Bluetooth 2.1 + EDR
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### VOICE AND AUDIO

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

### PERIPHERALS AND ACCESSORIES

Cradles	Single-slot USB charging cradle with spare 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 available
Other Accessories	RS507/RS419/RS409/RS309 wearable scanners; RCH51 rugged headset; headset adapters and freezer pouches that extend operating temperature range

### REGULATORY

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

### 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.

### 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

### Compatibility with Motorola's rugged wearable scanners

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

### Compatible with Motorola's RCH51 lightweight, rugged and affordable headset

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

### Supports Motorola Solutions' best-in-class device management solution

Centrally manage your WT41N0 wearable computers as well as all other Motorola Solutions and third party mobile devices in use in your business with Motorola Solutions 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