



WD200 3.1" Wearable Computer

Qualcomm® 660 platform | 110g with 2050mAh battery | 2X2 MU-MIMO WLAN

Unitech wearable devices improve productivity in retail, e-commerce, warehousing, transportation, logistics, communication gateway and shipping yard markets. Whether you are looking for an in-shop assistant or an advanced picking solution, our wearable devices allow users to work hands-free while still accessing or collecting the required data and files.

Challenged by the growing demands of e-commerce, shipping volume, order & delivery quantities and minimum delivery timeframes, many sectors are in need of tools to help them meet the requirements.

Workers in these sectors can confirm that they are going through a transformation right now. Responding to the evolving needs, combined with the latest technologies, we are pleased to introduce the Unitech WD200.

Small but powerful

The WD200 is a 3.1" Android 10 wearable device with GMS certification. Despite its compact size (96.7mm x 60.7mm x 14.43mm) this device integrates a snappy Qualcomm 660 Octa-core 64bits 2.2 GHz processor. The WD200 features a 3.1-inch (800 x 480) sunlight readable bright (450nits) display for easy viewing and is suitable for jobs where gloves are needed. It has a drop resistance of 1.5m and it is IP67 rated to withstand the harshest environments. The 2050mAh battery provides the flexibility to work through the day as it supports up to 10 hours of battery life.

Wearable and lightweight design

The weight of only 110g, makes the WD200 the lightest wearable computer in its class. This device can be easily strapped to a user's arm by using one of our ergonomically and EZ-lock designed arm straps. With optional accessories it is even possible to wear the WD200 on your wrist, to clip it on a belt or to carry it on your neck by a lanyard. You can attach and remove the WD200 unit in a few seconds. An easy and ideal solution to avoid work interruption and increasing hygiene protection to worker as they have their own personal strap/clip.

Extended data collection

The WD200 integrates a 13MP camera with auto-focus and built in flash light, this gives the flexibility to capture barcodes (for occasional use) and to capture photos as proof of delivery. In case you require advanced data collection capabilities, you can easily combine the WD200 with one of our featured Unitech ring scanners (1D or 2D) and both hands can remain free during work without interfering with the workflow.

High end connectivity

The WD200 supports Bluetooth® 5.0, NFC, optional 4G LTE and it boosts the wireless performance as it supports 2x2 MU-MIMO antennas, allowing devices to be connected simultaneously. With the integrated dual noise cancelling microphones, the voice clarity remains maintained even in a noisy environment.

Features

- Android 10 with GMS certification
- 3.1" color display (800x480, 450nits)
- Powerful Qualcomm® 660 2.2GHz Octa-Core processor
- Ergonomic and lightweight wearable design
- Ease of use with wearable accessories
- Supports Bluetooth® 5, NFC and optional 4G LTE
- Supports WLAN 802.11ac with 2X2 MU-MIMO
- 13MP camera with flash
- IP67 rated and 1.5m drop-resistance
- Dual noise cancelling microphones
- 2050mAh battery (Up to 11 hours* working time)
- Supports Unitech Orchestra Mobility Solutions & Unitech Utilities
- Supports: MoboLink, SOTI, 42Gears, AirWatch, VMware, Ivanti Wavelink and StayLinked.

*Battery life depends on type of operation and environment.



Optional combinations

Unitech Ring Scanners:

- MS652+ (Bluetooth 2D)
- MS650 (Bluetooth CCD)
- MS632 (Bluetooth 2D)

Unitech Mobile Printers:

- SP319 (3" Bluetooth printer)
- SP419 (4" Bluetooth printer)

Unitech Pocket Scanners:

- MS912+ (Bluetooth 1D CCD)
- MS912M+ (Bluetooth 1D CCD version with memory)
- MS916 (Bluetooth 1D)
- MS926 (Bluetooth 2D)
- MS925HC (Bluetooth 2D anti-Microbial)
- RP901 (Bluetooth UHF/RFID reader)





Operation System

CPU	Qualcomm Snapdragon™ 660 Octa Core, 2.2 GHz , 64bits
Memory	3 GB RAM / 32 GB Flash
OS	Android 10 with GMS (Google Mobile Service) certification and Zero-touch enrollment.
Languages support	Multi-language English, Simplified Chinese, Traditional Chinese, Japanese, Spanish, German, French, Italian, Portuguese, Korean.

Display

Screen Size	3.1" Color TFT-LCD (800 X 480) High Resolution Display (450nits backlight)
Touch panel	Ultra sensitive capacitive touch screen, compatible with gloves and support wet resistance

Keypad

ON / OFF button , 1x User-defined function button, 3x touch buttons

Indicator

LED, Speaker, Vibrator

Camera/Photos/Video/Audio

13 MP Rear camera with LED Flash Light and auto-focus function

RFID NFC/HF

Support HF/NFC
Frequency 13.56Mhz
Support: ISO14443A/B, ISO15693 standard, NFC, MIFARE, Felicia.

Communication

USB	USB 3.1 (type-C) support USB OTG Quick charge 3.0 supported Support Display Port Mode
Interface	USB Type-C/ Pogo Pin
Pogo Pin	Charging via cradle <small>*quick charge not supported over cradle via pogo pin connectors</small>
OTG	Yes, over USB Type-C
Bluetooth®	Bluetooth® 5 with Bluetooth Low Energy (BLE)
WLAN	IEEE 802.11 a/b/g/n/ac/d/h/i/k/r/v, IPv4, IPv6 Security of WLAN: WEP, WPA/WPA2 PSK, 802.1x EAP, OWE, SAE Fast Roaming: PMKID caching, 802.11r, OKC
WWAN (optional)	2x2 MU-MIMO LTE: FDD-LTE (B1/B3/B4/B7/B20) TDD-LTE (B38/B39/B40/B41)
Voice call	Phone / voice call through VoLTE and VoWLAN Please note: provider needs to support VoLTE (not supported GSM or 3G).
GPS	GPS/GLONASS/Gallileo/Beidou
Sensors	Gyroscope, G-sensor, E-compass, Light Sensor
SIM Slot	Nano SIM Slot

Audio

One 1W speaker, Dual noise-cancelling microphones

Power Source

Main Battery	3.85V, 2050mAh Li-polymer battery (embedded, can be repaired)
Operating time	11 hours*
RTC battery	*Depending on type of operation and environment. Real time clock battery

User Environment

Operating Temp.	-20 ~ 50°C
Storage Temp.	-20 ~ 70°C
Charging Temp.	0°C to 45°C
Humidity	5% ~ 95% (non-condensing)
Drop Specification	1.5 meter MIL-STD 810G
Sealing	IP67
Tumble test	1,000 tumbles @ 1.6 ft./0.5m

Enclosure:

Dimension	96.7mm x 60.7mm x 14.43mm (HxWxD)
Weight	110g (with battery)

Regulatory Approvals

CE, FCC, NCC, BSMI, VCCI, CCC, RoHS, CEC, BQB, N-Mark compliance

Software

Unitech Orchestra Mobility Solution, MoboLink, SOTI, 42Gears, Airwatch, VMware Ivanti Wavelink and StayLinked



With Unitech Mobility Orchestra we bring four key elements together to turn a standard device into an enterprise managed work tool that composes of: 12Solutions, StageGo, UnitCare and MoboLink. Facilitate the management of your hardware investment with MoboLink [Visibility](#) or [Standard](#) version.

Standard package

- WD200 Terminal with battery
- USB 3.0 cable (USB-C)

Accessories

- USB 3.0 Type C cable
- USB Quick charge (3.0) Power adapter EU
- USB Quick charge (3.0) Power adapter UK
- USB QC3 Power adapter set (with EU, UK, US and AU Plugs)
- Wristband holder kit (Bracket, Strap and Pad)
- Wristband replacement Pad (Pack - 10x pieces per pack)
- Wristband replacement Strap (Pack - 10x pieces per pack)
- Wristband replacement bracket (Per single piece)
- Professional armband strap (Small size 16cm)
- Professional armband strap (Normal size 28cm)
- Professional armband strap (Large size 30cm)
- Necklace Holder
- Belt Holder
- Bluetooth noise cancellation headset
- 9H glass screen protector
- 4 slot charging cradle (charging via 2 pogo pins)
- MS632 2D Bluetooth ring scanner
- MS650 1D Bluetooth ring scanner
- MS652+ 2D Bluetooth ring scanner
- WD200 2D Engine Extended module

WD200 Highlights

EN version v1.0 **WD200**
Specifications

Compact and lightweight design:



The WD200 terminal is designed to increase workforce productivity with maximum comfort. Beside its compact size of 96.7mm x 60.7mm x 14.43mm (HxVxD) this device has a lightweight design of only 110g including battery making it comfortable to carry the WD200 during a full day shift.

Hands-free operation



Unitech's WD200 is a great all round solution. Once the WD200 is strapped to your arm, wrist, belt or lanyard and coupled with a Bluetooth headset or with one of Unitech's many ring scanners, you have the perfect, hands free, picking solution.



Advanced built-in software

The WD200 comes built-in with software that aims to take your mobile agility and productivity to the next level.



Voice Picking*
Supports voice picking
over Bluetooth headset.



Phone and voice call
Supported over VoWLAN and VoLTE.**

Extended view - External monitor.



Keyboard input screen size solution:
Unitech Numpad mode app

Battery and device health tracking:
Unitech Mobile Orchestra Solution



Display Mode
Supported over USB-C

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*Voice picking: Please note 3rd party solution application is required.
**VoLTE: Please note that the provider needs to support VoLTE.

Unitech Mobility Orchestra



Unitech Mobility Orchestra

Unitech Mobility Orchestra Solution guarantees the usability of the delivered products and takes care of the traceability during the lifetime of the product in use. It aims to empower usability, traceability and sustainability to safeguard user's investment with Unitech mobility devices from birth to retirement. It includes 4 components: 12Solutions, StageGo, UnitCare and Mobolink Visibility.



12Solutions

12Solutions provides a suit of great tools that enhances user experience and management needs that turns a standard device into an enterprise work tool.

UnitCare

UnitCare protects your investment of installed devices in the field to be served at best quality. Enjoy enhanced investment protection and a low total cost of ownership.

Development Tool



Unitech API

Unitech system level application programming interface.

Third party EMMs

Unitech third party EMMs supported.



Staging and Management



MoboLink

Android Enterprise ready EMM for monitoring device health and managing apps, configs and files.



StageGo

Barcode-based device staging utility offering hundreds of script commands for you to work with.



OEMConfig

If you are using a third party EMM, OEMConfig will allow those EMM solutions to configure Unitech specific settings on the device.



Enterprise Launcher

Secure your devices by kiosk them with Enterprise Launcher. Block access to the Android system and only allow limited number of apps to be run.



Battery info

Monitor advanced Battery health and manage the battery replacement cycle. Use with MoboLink to get real-time battery health alerts delivered to your phone.



Software Update

Check and install software updates online. To let a device always stay up-to-date, setup the device to automatically check and install for updates on boot up.



System Update Center

Check and install firmware updates via FOTA. You can update the firmware via online FOTA server, or by using a OTA ZIP file placed in the internal storage.



App Update Center

APKs installed with App Update Center can remain intact even after factory reset.

Productivity and Utilities



File Manager

Manage files and folders on all the internal and external storage locations.



UNote

A simple text viewer and editor for use in your workflows.



Startup

Auto-run apps when device boots.



KeyRemap

Reprogram physical buttons to act as another key or to launch an app.



Ivanti Velocity

Android Terminal Emulator from Ivanti giving your workers the right tools to be more productive.



NTP Server Settings

Customize the NTP server settings to keep your device date and time synchronized.



WLAN Advanced

Configure advanced WiFi parameters.

Unitech Europe

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