

MoviSight



MS-7WD200 3.1" Wearable Computer

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



Smart, Hands-free Mobility

Power your data collection with a device that optimizes the way you work. Featuring lightweight and ergonomic wearable design, the MS-7WD200 is a 3.1" Android 10 wearable device with GMS certification that supports users to work in an intensive picking environment requires all hands to be free. The terminal is light weight of 110g with battery and it features EZ Lock arm strap design, easy to replace the main unit in a few seconds. Combined with one of our featured ring scanners, both hands can remain free during work without interfering with the workflow.

Experience Heightened Device Performance

Experience heightened device performance with a Qualcomm 660 2.2GHz octa-core processor and ease of use with a wearable that fits wrists, necks, and belt loops. A 3.1-inch sunlight readable touchscreen offers easy viewing with 450 nits brightness and supports gloves and wet resistance, also comes with a 13MP camera that gives the flexibility to capture barcodes and delivery confirmations for applications in the warehouse, retail, logistic, transportation and shipping yard.

Get Connected

Together with extended connectivity, the MS-7WD200 supports Bluetooth®5, NFC, 4G LTE, and WLAN 802.11 ac with 2X2 MU-MIMO Antenna that boosts the performance by allowing devices to be connected simultaneously. It is not only equipped with dual MIC design, giving clear voice even in a noisy environment but also enhances the industrial durable protection with features including IP67 dustproof and 1.5m drop resistant of fall protection. The MS-7WD200 is a reliable tool to improve business productivity.

Features

- Android 10 with GMS certification
 - Lightweight, ergonomic wearable computer
 - 3.1" color display (800x480, 450nits). Supports gloves and wet resistance
 - Powerful Qualcomm® 660 2.2GHz Octa-Core processor
 - Support Bluetooth® 5 / NFC / WLAN 802.11 ac support 2X2 MU-MIMO
 - Antenna / 4G LTE
 - 13MP camera captures barcodes and delivery confirmations
 - Ease of use with a wearable that fits wrists, necks, and belt loops
 - IP67 rated, and 1.5m drop specification
 - Dual MIC design, clear voice even in a noisy environment
 - Long-lasting embedded 2050mAh battery (Up to 11 hours working time)
- Device supported versatile: SOTI, AirWatch, 42Gears, Ivanti Wavelink, StayLinked, and MobaLink

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MS-7WD200 Specifications



System Features

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
Languages support	English, Simplified Chinese, Traditional Chinese, Japanese, Spanish, German, French, Italian, Portuguese, Korean and multiple languages

Display

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

Buttons / Keypad

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

Audio

One 1W speaker, Dual noise-cancelling microphones

Indicator Type

LED, Speaker, Vibrator

RFID

HF	Support HF/NFC Frequency 13.56Mhz Support: ISO14443A/B, ISO15693 standard
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Regulatory Approvals

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

Communication

Camera	13 MP Rear and Flash Light
Bluetooth®	Bluetooth® 5
Interface	USB Type-C/ Pogo Pin
USB	USB 3.1 (type-C) support USB OTG Support Display Port Mode Ethernet/USB-Host via cradle
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 2x2 MU-MIMO
VWAN	LTE: FDD-LTE (B1/B3/B4/B7/B20) TDD-LTE (B38/B39/B40/B41) Nano SIM Slot
SIM Slot	Nano SIM Slot
GPS	GPS/GLONASS/Gallileo/Beidou
Sensor	Gyroscope, G-sensor, E-compass, Light Sensor

Enclosure

Dimensions	96.7mm x 60.7mm x 14.43 mm(H x W x D)
Weight	110g (with battery)

Environmental

Operating temperature	-4 F to 122 F (-20 C to 50 C)
Storage temperature	-4 F to 158 F (-20 C to 70 C)
Charging temperature	0 C to 45 C
Relative Humidity	5% ~ 95% (non-condensing)
Drop test to concrete	1.5 meter MIL-STD 810G
Environmental sealing	IP67
Tumble test	1,000 tumbles @ 1.6 ft./0.5 m

Power Source

Main battery	3.85V, 2050mAh Li-polymer battery (embedded, can be repaired)
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Software

SOTI, 42Gears, MoboLink, Airwatch, Ivanti Wavelink

The standard package contents

MS-7WD200 Terminal
USB 3.0 Cable (Type C)

Optional Accessories

4 slot cradle
EZ Lock arm strap Holder,
Wrist Holder
Necklace Holder
Belt Holder
USB 3.0 Cable

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MS-7 WD200

Software Solution

Development Tools



MoviSight SDK

Device Management



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 MoviSight specific settings on the device.



Enterprise Launcher

Secure your devices by kiosking 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 install 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 options



UNote

A simple text viewer and editor for use in your work flows.



Startup

Auto-run apps when device boots up.



KeyRemap

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



MoviSight Scanner Utility

The MoviSight Scanner Utility offers Scan-to-key and engine configuration capability all in one app.



NTP Server Settings

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



WLAN Advanced

Configure advanced WiFi parameters.