

TASKLET
FACTORY



Hardware Requirements

Hardware requirements
for
Mobile WMS

Version 3.1

Mobile WMS by Tasklet Factory will run on many different mobile devices from various manufacturers. There are however a few basic requirements that must be fulfilled:

Basic Requirements for Windows Mobile Devices

- **Operating System**
 Supported: Windows Mobile 5 / 6.1 / 6.5 + Windows Embedded Handheld*
 Not supported: Windows CE + Windows Embedded Compact 7
- **Screen size / resolution**
 Supported: WVGA(800x480), QVGA (320 x 240), VGA (640 x 480) & Square** (320 x 320 / 640 x 640)

***Note:** Windows Embedded Handheld was declared End of Life by Microsoft the 14. th. of January 2020. Therefore, Tasklet Factory will not do further development on this platform and we highly recommend that any new project are started on Android devices instead.

****Note:** The square resolution will be limited with regards to the number of display lines possible to use due to the special screen format. Typically, Mobile WMS will be limited to 3 or 4 display lines.

Basic Requirements for Android Devices

- **Operating System**
 Supported: Android versions defined in Table 2
 All versions should be with GMS (Google Mobile Services) except for devices below marked with **
- **Supported Devices**
 Zebra MC3300, MC9200, MC9300, TC20/25*, TC21/26, TC51/56, TC52/57, TC70/75, TC72/77, TC70x, TC-8000, TC-8300
 Intermec CN51**
 Honeywell CK65, CK75, CN80, CT40, CT50, CT60, EDA50, EDA50K, EDA51, EDA60K, EDA61K, EDA71, Thor VM1A
 Datalogic Joya Touch A6, Memor 10, Memor 20
Supported Devices with External Scanners
 Zebra ET50 or ET51 with DS3608 (SR/ER), DS3678, RS507X, RS5100, RS6000
 Zebra TC20* with DS3678, RS507X, RS5100, RS6000
 Honeywell Mobility Edge device running Android 8 or later with Granit 1981i
 Honeywell device with Granit 1980i
 Honeywell or Zebra device running Android 7 and above with ProGlove Mark II

***Note:** TC20 with keyboard is **not** supported.

****Note:** CN51 with Android 6.0.1 **must be without** GMS.

Mobile Device Brands

Tasklet Factory recommends mobile devices from **Honeywell** and **Zebra**, as we have a long history with many successful projects. We also have direct access to technicians from these companies allowing us to get technical support very quickly. We do have support for other brands as well, and the application will work "out-of-the-box" on the following brands, given the model is listed in the supported section.

BRANDS	WINDOWS	ANDROID
HONEYWELL / INTERMEC	Yes	Yes
MOTOROLA / ZEBRA	Yes	Yes
PSION	Yes	No
M3	Yes	No
DATALOGIC	Yes	Yes
DOTEL	Yes	No

Table 1 - Supported Brands

My device is not listed - what to do?

If a customer already has mobile devices from another manufacturer and wants to continue using those, then Tasklet Factory can add support for it as long as the basic requirements are met.

It will take one day to assess whether support of a new brand of mobile device can be implemented. If that assessment turns out positive, any remaining time will be spent, developing the support. The rest of the development will be billed by the hour, with a forecast provided after the initial assessment. The development time is used to write code that can communicate with the scan engine/imager.

Android version support

Android is the Go-To operating system on new scanner devices, and a platform which is updated almost yearly by Google. When new hardware devices are released, they are born with the latest version of Android, supported by that hardware vendor. A version which is always lagging Googles Official release, but never the less updated to keep with the latest features from Google. With these new versions comes subtle changes, which can cause unintended behavior from applications. As we want to make sure that Mobile WMS runs as intended, our application is tested on all the Android versions we support. Therefore, we have chosen, to have a finite set of supported Android releases, discontinuing support for older versions over time. It is important to note that when we discontinue support for an Android version, that does not mean that Mobile WMS will stop running on already installed devices. It means that we will not release new functionality in the application for those Android versions, as we cannot guarantee that they will perform in the expected manor.

Over time, there may come new Android releases from hardware vendors for older devices, prolonging the supported lifetime of a device. But that is entirely up to the hardware vendor.

Below is the list of supported Android versions. The “End of development” column states, by the end of which year, new development will no longer target that version.

Version	Supported date	End of development	Released by Google
4.2.2 (Jelly Bean)	-	2020	2012
4.4.4 (KitKat)	-	2020	2013
5.x (Lollipop)	2017	2021	2014
6.x (Marshmallow)	2017	2022	2015
7.x (Nougat)	2018	2023	2016
8.x (Oreo)	2019	2024	2017
9.x (Pie)	2020	2024	2018
10.x	2020	2024	2019

Table 2 - Supported Android Versions