



# Warehouse Manager EM

## DML Client Supported Devices

Version 01/19



## Version Details

The table below contains details of the changes introduced in each version of this document.

Version Number	Date	Details
07/18	31 July 2018	Updated to include MC55X
08/18	21 August 2018	Updated to include MC3300; change to version numbering to reflect date of issue rather than software release
08/18.1	31 August 2018	Updated the Supported DML Client Devices table to include further detail regarding scanning devices. (See end of table.)
10/18	1 October 2018	Updated to include MC9090-G, which is supported for WinMobile
01/19	3 January 2019	Updated to include Honeywell/Dolphin CN80, which is supported for Android Nougat

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## Supported Devices for WHM DML

WHM runs a dedicated client which can be used on handheld scanners, tablets or desktop computers to present the warehouse user with a specific interface which is informative and job appropriate.

To ensure that the client is fully operational on a given product, Datalinx have worked with the leading manufacturers within the Auto ID marketplace to test and prove their equipment with our application.

Only on completion of testing, will we approve its operation and certify the device.

This document details the hardware devices, both legacy and current, that have been approved for use with Datalinx Warehouse Manager for Sage X3 and Sage Enterprise Management.

The devices listed within this document fall into either handheld equipment running the Windows/Android operating system or hardware devices to connect to a Windows desktop PC.

Some of the devices listed are no longer manufactured, however, many are still actively in use. As long as such devices are supported by the manufacturers, they remain within our approved list. That said, Datalinx would always recommend the use of the currently available devices. Devices that are several years old may perform poorly due to lower processing and memory capabilities. Sites with an average to heavy use may find that the speed of such devices is unacceptable.

We are aware that there is a market in refurbished units where the units have been upgraded. For our application to operate, the device must be as per the manufacture build standard and a list of build standards is available on request.

Should you wish to use a device which is not listed as approved, please discuss with Datalinx, as we are continually adding new devices to the list, and can add specific devices for a given site.



The information contained in this document is Datalinx's own view of each of the devices that can be used with our application. For full device specification, please check the manufacturer's own data sheet (link within device details).

The supported model numbers are given for each device. Where n appears in the model number, it can be replaced with any digit when verifying whether a given model is supported.

## Required Memory

The Datalinx application needs to have available memory for its client to run as follows:

For **Windows**, OS 64 Mbyte RAM/ 64 Mbyte ROM

For **Android**, 512 Mbyte



## Supported DML Client Devices

	WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Marshmallow)	Android (Nougat)
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### ZEBRA

MC3300						✓
MC3100	✓					
MC3200		✓				
MC55X	✓					
MC55A	✓					
MC67NA	✓					
MC70	✓					
MC75A	✓					
WT41N0		✓				
MC9090	✓	✓				
MC9190, MC9190-Z		✓				
MC9200 Series	✓		✓			
TC20						✓
TC56					✓	
TC70			✓	✓		
TC8000			✓	✓		

### DATALOGIC

FalconX3	✓					
FalconX3+		✓				
ScorpioX3		✓				



	WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Marshmallow)	Android (Nougat)
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## Honeywell Intermec®

Dolphin CN80						✓
Dolphin CT50			✓			
AndromedaIII CK3X	✓					
AndromedaIII CK75A	✓					

## BELGRAVIUM

Atlanta 8000		✓				
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## touchstar

TS8000		✓				
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## Windows

Windows 7+						
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For Windows PCs, for scanning, a USB Scanner that is configured as a keyboard wedge can be used to scan non-GS1 barcodes into a text field.

For scanning GS1 barcodes, the following devices have been tested, have passed through quality assurance and have been released:

Manufacturer	Device	Configuration	Notes
Zebra	DS8108	AIM ID Code Character. OPOS	Manufactured after 1st January 2010
Zebra	DS8178	AIM ID Code Character. OPOS	Manufactured after 1st January 2010





## Device Details



*For full device specifications, click on the image.*

### MC3300



Model numbers: **MC330n-nnnnnnnnn**

Supported for Android (Nougat)

The Zebra MC3300 can be configured four ways – pistol-style, turret with rotating head, straight shooter 0° scan and 45° scan. It captures data from up to 70 feet and supports low- and high-impact scanning scenarios. It is very rugged, withstanding drops from up to 5 feet, and 1,000 tumbles from 3.2 feet high, as well as being sealed against dust and spills, with a scratch resistant touchscreen.



MC3200 charging cradles and other accessories are compatible with MC3300 models.

### MC3200



Model numbers: **MC32N0 – nnnnCnE**

Supported for WinCE

This is the current version of the entry level trigger-based barcode scanner and is available in three form factors; straight shooter, rotating turret, and gun.



This device has a smaller display of 3.0 inches, which means that the text and menu options are reduced in size with the smallest screen. This unit has 28 key numeric, 38 key and 48 key alphabet alpha numeric keyboard options. All of these keypads will operate with the DML client. However, the numeric keypad requires alphas to be entered using multi key entry. This can be time consuming if long alpha codes or extended text need to be entered.



*For full device specifications, click on the image.*

## MC3100



### Superseded by the MC3200

Model numbers: **MC3190-nnnn2nEnn**

Supported for WinMobile

This unit is a legacy device, no longer manufactured by Zebra.

The MC3100 is a low-cost windows-based Motorola barcode scanner. There are three model variants; a traditional trigger/gun based device, a straight shooter where the scanner comes out on the top edge of case, and a swivel top which allows the scan engine to be rotated at different angles.



This device has a smaller screen than virtually all other devices on the market, which means the same screens are displayed as smaller on this scanner. You can increase the font size within the DML Client, but it reduces the number of characters that can be shown in any screen. You should ensure that the screen size is appropriate for the operation.

## MC55X



Model numbers: **MC55E0-nn0S3nQA9nn**

Supported for WinMobile

The MC55X is the latest "Refresh" from Zebra technologies of this popular and capable palm held device. The scan engine utilises the latest in scanning technology, giving the device the ability to read 2D barcodes and liner barcodes. The 'Red Dot' focusing point allows specific codes to be selected amongst a number of printed codes.

The MC55X retains the same form factor as the earlier MC55 family and accessories such as trigger handles are available as option extras for the device.



*For full device specifications, click on the image.*

## MC55A



Superseded by the MC55X in 2017

Model numbers: **MC55A0 - nn0SWnQnnWR**

Supported for WinMobile

The MC55 is a palm-held PDA type format device which has the same physical format as the MC55A - a 3.5 inch colour VGA screen with full touch capability.

Within this unit there are options for linear or image scanners to read 2D barcodes.



While there are options for a full alphanumeric keypad, the keys are very small and almost impractical in a warehouse operation. Therefore, the device is most suited to a numeric only keypad. In this format, alphas are entered via a triple tap keypad, which may be inconvenient for large amounts of data entry.

## MC67Nn



Model numbers: **MC67Nn - PnnBABn00**

Supported for WinMobile

The MC67 is part of the family of Zebra palm-held devices. It is slightly larger than the MC55, and traditionally would be used by field-based workers as the unit has 3/4g capabilities in the warehouse environment, and onboard 802.11 wireless

communications.

The MC67 is a rugged and very capable palm-held mobile computer that can be used to deploy the Datalinx WHM application.





*For full device specifications, click on the image.*

## MC70



Model numbers: **MC7090 – PnnDnnFnnWR**

Supported for WinMobile

The MC70 is a legacy Motorola device, the forerunner to the MC55A detailed above. It has not been manufactured for at least six years, which you should bear in mind if considering it for use in new system.

It is available in a palm held PDA format, and the keypad on top of the unit would typically be numeric only, with a triple tap entry for alpha characters.



Whilst this device will run our application, we would caution against heavy usage as the speed of processors can lead to slow response when compared to the currently available devices.

## MC75A



Model numbers: **MC75A0 – Pn0SWnRnnWR**

Supported for WinMobile

The MC75A was an iteration of the MC70, and the same comments apply.

## WT41N0



Model numbers: **WT41N0 – T2nn7ER**

Supported for WinCE

The WT41N0 is a wrist wearable mobile device with a portrait formatted screen. This device is typically paired with a scanner which is mounted on the first finger and triggered by the thumb when scanning a barcode. In Datalinx experience, these devices are only practical for Small Part picking in the warehouse.

This device has a numeric only keypad option triple tap entry for alphas.



When reviewing this device, the layout of the screen needs to be considered, together with the usability of the device when reaching in amongst shelving with the scanner device mounted to the hand.



*For full device specifications, click on the image.*

## The MC9000 series

MC9000 series has been a standard, widely used device within the auto ID industry for many years, and Motorola introduced this device for use within the warehouse and logistics as the MC9190. Its current version is the MC92N0.

Over the life of this device, which now is in excess of 15 years, the format of the unit has not fundamentally changed. Indeed, the batteries and chargers plus other accessories are compatible with all versions of the device.

There are a number of keyboard options with the MC9000 series. The device that is most widely adopted within the warehouse is the keyboard with numeric in large format and alphas in a smaller, but usable size.

If you are considering utilising older devices, please be aware there are certain devices where the memory is less than 64 kilobytes. These devices are not suitable for the DML client. They also run a different processor and we have seen, in heavy use environments, the older devices run at a slower speed than may be acceptable.

### MC9090



Model numbers: **MC9090 - nnnH\*nGnnWW**

\* All builds apart from A (32MByte RAM/32 Mbyte ROM)

Supported for WinCE

MC9090-G supported for WinMobile

### MC9190



Superseded by the MC9190-Z

Model numbers: **MC9190-Gn0SWnYnnWR**

Supported for WinCE



*For full device specifications, click on the image.*

## MC9190-Z



Model numbers: **MC9190-Gn0SWnYnnWR**

Supported for WinCE

## MC9200 Series



Model numbers: (with or without MS Office)

**MC92N0 - Gn0SnnQnnWR, Gn0SnnRnnWR, Gn0SnnYnnWR**

Supported for WinMobile

## MC92N0 - Gn0SnnAnnWR

Supported for Android (KitKat)

## TC20



Model numbers: **TC200J-10C112A6**

Supported for Android (Nougat)

The TC20 is an economical compact palm held android device. Its design is heavily influenced by the smartphone market, but retains all of the scan capabilities of previous devices. It does not have the ultimate drop and temperature specification, but it boasts multiple 1.2 meter/4 ft to tile over concrete and has the ability to work from -10 to 50 degrees centigrade.

## TC56



Model numbers: **TC56nJ - nPAZUnP – nn**

Supported for Android (Marshmallow)

The TC56 is a mid-range Android based mobile computer with aggressive on board scanning capabilities

In line with most of the full screen Android devices, the TC56 utilises pop-up keypads for the entry of either numeric or alphanumeric characters.



*For full device specifications, click on the image.*

## TC70



Model numbers:

**Kitkat TC70nH – Kn11ES-n**

**Lollipop TC70nH – Ln11ES-n**

Supported for Android (KitKat and Lollipop)

The TC70 is an android based full touch screen mobile computer. The format of this device is a rugged mobile phone. It utilises one screen keypads where barcodes are not scanned.

Within the device, there is a compact aggressive image barcode scanner giving the ability to scan both linear and 2D barcodes.

## TC8000



Model numbers:

**KitKat TC80N0 - nn0nKnnnnn**

**Lollipop TC80N0 - nn0nLnnnnn**

Supported for Android (KitKat and Lollipop)

The TC8000 blends the palm held and trigger held formats into a device specifically designed with the warehouse user in mind.

This device is an Android based unit with a handle and inbuilt triggers for operating scanners within the unit.



*For full device specifications, click on the image.*

## Falcon X3



Model numbers: **Discontinued Model - superseded by Falcon X3+** – if using this device, please validate model number with Datalinx

Supported for WinMobile

The Falcon X3 is a trigger based handheld device from Datalogic. The device has a 3.5 inch touch screen display and is available with numerically or alphanumeric keypads

This device is typically an economical alternative to the Zebra or Intermec devices within the marketplace.



The naming convention of this device has no relationship or significance to the Sage X3 name.

## Falcon X3+



Model numbers:

**945200030 945200031 945200034 945200035**

**945200043 945200044 945200051 945200052**

**945200053 945200055 945200056 945200057**

**945200058 945200074 945200075 945200076**

**945200077 945200082 945200083**

Supported for WinCE

## Scorpio X3



Model numbers: **Discontinued Model** – if using this device, please validate model number with Datalinx

Supported for WinCE

The Scorpio X3 is the Datalogic version of the PDA device in the auto ID market. The device has full touch screen and options for numeric alphanumeric keypads. It is a cost-effective option, should a site be looking for a Palm held type device.



## Honeywell Intermec

*For full device specifications, click on the image.*

### Dolphin CN80



Model number: **CN80-L0N-2MC120E**

Supported for Android (Nougat)

The CN80 is an Android based handheld computer, with full-touch capabilities as well as real keys for fast data entry at high transaction rates. It is an Android Enterprise Recommended device, rugged and built to be easy to deploy and keep up to date over a long lifespan.

### Dolphin CT50



Model numbers: **CT50LUN-CS16SE0**

Supported for Android (KitKat)

The CT50 is an Android based mid-range handheld scanner. This device is full screen touch device. Keypads are displayed as required on the screen, in a similar manner to a smartphone.

### Andromeda IV CK3X



Model numbers: **CK3XAB4n000W4nN00**

Supported for WinMobile

The CK3X series of devices from Intermec offers traditional handheld devices with a well proven format and a large installed base. The Andromeda III CK3X provides a number of options for keypad configurations including a full size 3.5 touch screen. This means that the device, whilst not the most compact, is a good performer in the warehouse.





## Honeywell Intermec

*For full device specifications, click on the image.*

### Andromeda III CK75A



Model numbers: **CK75An6nN00W4401**

Supported for WinMobile

The CK75A is Intermec's offering for a gun format device for the warehouse. It provides a solid platform for the warehouse user, and while there are a few format options, most of these will be in the 'gun' type format. This device has an alpha numeric keypad, with the numeric keys being predominant and slightly larger than the alpha keys. This also has the option of a number of different scan engines to allow for different warehouse reading requirements.

## BELGRAVIUM

*For full device specifications, click on the image.*

### Atlanta 8000



Model numbers: **Discontinued Model** – if using this device, please validate model number with Datalinx

Supported for WinCE

## touchstar

*For full device specifications, click on the image.*

### TS8000



(used to be called 'Boston')

Model numbers: **Single model variant**

Supported for WinCE



## Windows 10



### Windows 7 (and above) PCs and Tablets

The DML client is fully functional on a Windows 7 (and above) based PC or tablet (such as the Microsoft Surface). This presents the DML client on a full size touch screen and is commonly used at a "Packing Bench" or walking around the warehouse.

The application will allow the mobility that a tablet delivers.

With regards to scanning barcodes on a PC or Tablet, Datalinx have approved the Zebra DS8100 series devices (manufactured after January 2010) to ensure the functionality of GS1 scanning and the controlling of which fields are keyed or scanned is easily managed.



## Further Information

For more information about Warehouse Manager EM, Warehouse Manager EM Lite, or any other Datalinx products, you may like to:

- visit our website, [www.datalinx.co.uk](http://www.datalinx.co.uk)
- email [enquiries@datalinx.co.uk](mailto:enquiries@datalinx.co.uk)
- call us on +44 (0)1342 324469

## Technical Support

For technical support, please email [SupportWHMEM@datalinx.co.uk](mailto:SupportWHMEM@datalinx.co.uk).

## Comments and Feedback

We are always happy to receive any comments or feedback on this or any other document. Please submit it to [academy@datalinx.co.uk](mailto:academy@datalinx.co.uk).

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