

Warehouse Manager X3 for Sage X3



Devices supported by WHM X3 for running a DML Client - Certified hardware -

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Warehouse Manager X3 for Sage X3



This document details the hardware devices that have been approved for use with Datalinx Warehouse Manager for Sage X3 (WHM X3).

WHM X3 runs a dedicated client within the Mobile Computers, handheld scanners or desktop computers which presents a warehouse user specific interface allowing for an informative and job appropriate menu configuration for

To ensure that the client is fully operational on a given manufactures product, all of which have their own proprietary application interfaces, Datalinx tests the DML client on the device and approves its operation prior to certifying the device within this document.

Datalinx have worked with the leading manufacturers within the Auto ID market place to test and prove their equipment with our application

This document details the hardware, both legacy and current, that Datalinx have approved and will support the client on for use with the Datalinx WHM x3 application.

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. You will note that a number of the devices, whilst no longer are available from the manufacturers, the install base within the market is significant and whilst they are supported for maintenance repair by the manufacturers, they remain within our approved list.

Please note that whilst Datalinx will operate with legacy devices it should be noted that certain devices will function slower due to available processing and memory capabilities of the devices.

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

Note: 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 manufacturers own data sheet (link below images).



MC3100 - Superceded by the MC3200

The MC3100 is a low cost windows-based Motorola barcode scanner, this unit is a legacy device no longer manufactured by Zebra and it has been superseded by the MC3200 device.

There are three model variants with regards to the devices form factor, it has 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.

A point to note with this device is that it has a smaller screen to virtually all other devices on the market, which means the same screens on this scanner are smaller due the reduced real estate. Whilst there are options to increase the font size within the DML Client, this reduces the number of Characters that can be shown in any screen.

This point should be looked at carefully to ensure that the screen size is appropriate for the operation.



For full specification, click [here](#)

Hand held model numbers:

MC3190-nnnn2nEnn	WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓					

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MC3200

This is the current version zebra of the entry level trigger based barcode scanner and like the MC3100 (that the device replaces) this unit is available in three form factors, straight shooter, rotating turret and gun.

Like the MC3100, one of the key points to note with this device is that it 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 of keyboard options 28 key numeric, 38 key and 48 key alphabet alpha numeric. All of these keypads will operate with the DML client, however the numeric keypad means that alpha's are entered by the use of multi key entry which can be time consuming if long alpha codes or extended text need to be entered.

Hand held model numbers:

MC32N0 - nnnnChE

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓				



For full specification, click [here](#)

MC55A - Superseded by the MC55X

The MC55 is a palm held PDA type format device and in late 2017 it was superseded MC55X which has the same physical format as the MC55A - the device has a 3.5 inch colour VGA screen with full touch capability.

It is important to note that with this device the keyboard space is small and whilst there are options for full alphanumeric keypad, the keys are very small and almost impractical in a warehouse operations, therefore, most would be a numeric only keypad with these devices. In this format alphas are entered via a triple tap keypad and therefore consideration as to the data that may need to be entered needs to be thought about.

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

Hand held model numbers:

MC55A0 - nn0SWnQnnWR

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
✓					



For full specification, click [here](#)

MC67NA

The MC67 is part of the family of Zebra palm held devices, traditionally this device would be used by field based workers as the unit has 3/4g capabilities, in the warehouse environment and the on board 802.11 wireless communications are utilised. A slightly larger unit in form factor to the MC55 this devices is a rugged and very capable palm held mobile computer that can be used to deploy the Datalinx WHM X3 application.

Hand held model numbers:

MC67Nn - PnnBABn00

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
✓					



For full specification, click [here](#)

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MC70

The MC70 is a legacy Motorola device, this was the Forerunner the MC55 detailed above. Is now some 6 years since last manufacturer and this should be taken into consideration if this device is being considered with the implementation of any new system.



For full specification, click [here](#)

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

Hand held model numbers:

MC7090 – PnnDnnFnnWR

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
✓					

WinMobile

MC75A

The MC75A the was an iteration of the MC 75, the comments in relation to the mc75 above it's to this device in



For full specification, click [here](#)

Hand held model numbers:

MC75A0 – Pn0SWnRnnWR

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
✓					

WT41N0

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 within the Small Part picking the warehouse.

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.

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



For full specification, click [here](#)

Hand held model numbers:

WT41N0 – T2nn7ER

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓				

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Introduction to 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 and its current version is the MC92N0.

Over the life of this device, which now is in excess of 15 years, the format the unit has not fundamentally changed. Indeed the batteries and chargers plus other accessories are compatible with all versions of the device. This we believe states something about the device and its use within the warehousing environment.

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 and these devices are not suitable for the DML client. These devices also run a different processor and we have seen, in heavy use environments, the older devices run at a slower speed than maybe acceptable.

MC9090

Hand held model numbers:

MC9090 - nnnH*nGnnWW

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



For full specification, click [here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓				

MC9190 - superceeded with the MC9190-Z

Hand held model numbers:

MC9190-Gn0SWnYnnWR



WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓				

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MC9190-Z

Hand held model numbers:

MC9190-Gn0SWnYnnWR



For full specification, click [here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓				

MC9200 Series

Hand held model numbers: (with or without MS Office)

MC92N0 - Gn0nnQnnWR

MC92N0 – Gn0nnRnnWR

MC92N0 – Gn0nnYnnWR



For full specification, click [here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
✓		✓			

TC20

Zebra has taken many design guidelines from the "Smart Phone" market, but not compromised on the scan capabilities of the device.

If you are considering an economical compact palm held android device, this unit is worth consideration. Whilst it may not have the ultimate drop and temperature specification, it still boosts multiple 1.2 meter/4 ft to tile over concrete and the ability to work from -10 to 50 degrees centigrade.

today, this is one of Zebra's flagship products for use within the warehouse.

Hand held model numbers:

TC200J-10C112A6



For full specification, click [here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
				✓	

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TC56

The TC56 is a mid-range Android based mobile computer with aggressive on board scanning capabilities
This device utilises, in line with most of the full screen Android devices, utilises pop-up keypads for the entry of either numeric or alphanumeric characters.



For full specification, click [here](#)

Hand held model numbers:

TC56nJ - nPAZUnP - nn

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
					✓

TC70

The TC70 android based full touch screen mobile computer and the format of this device is a rugged mobile phone and utilises one screen keypads where barcodes are not scanned.
Within the devices there is a compact aggressive image barcode scanner giving the ability to scan both liner and 2D barcodes.



For full specification, click [here](#)

Hand held model numbers:

Kitkat TC70nH – Kn11ES-n

Lollipop TC70nH – Ln11ES-n

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
		✓	✓		

TC8000

The TC8000 blends the Palm held and Trigger held formats of devices into a device has been designed specifically with the warehouse user in mind.

This device is an Android based unit with a handle with inbuilt triggers for operating scanners within the unit and today, this is one of Zebra's flagship products for use within the warehouse.



For full specification, click [here](#)

Hand held model numbers:

KitKat TC80N0 - nn0nKnnnnn

Lollipop TC80N0 - nn0nLnnnnn

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
		✓	✓		

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Falcon X3

The Falcon X3 is a trigger based handheld device from Datalogic and the newer Falcon X3 Plus superceeded this older model and delivers a similar format device.

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

(It should be noted that the naming convention of this device has no relationship or significance to the Sage X3 name)

Hand held model numbers:

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



For full specification, click [here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
✓					

Falcon X3+

Hand held model numbers:

945200030 945200031 945200034 945200035

945200043 945200044 945200051 945200052

945200053 945200055 945200056 945200057

945200058 945200074 945200075 945200076

945200077 945200082 945200083



For full specification, click [here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓				

Scorpio X3

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

Hand held model numbers:

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



For full specification, click [here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓				

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Honeywell Intermec®

Dolphin CT50

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.

Hand held model numbers:

CT50LUN-CS16SE0



For full specification, [click here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
		✓			

Andromeda III CK3X

The CK3X series of devices from Intermec is a traditional hand held device with a well proven format and a large installed base.

The device provides a number of options for key pad configurations including a full size 3.5 touch screen and this means that the device, whilst not the most compact of devices, is a good performer in the warehouse.

Hand held model numbers:

CK3XAB4n000W4nN00



For full specification, [click here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
✓					

Andromeda III CK75A

The CK75A is the Intermec's offering for a gun format device for the warehouse. It provides a solid platform for the warehouse user and whilst 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.

Hand held model numbers:

CK75An6nN00W4401



For full specification, [click here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
✓					

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Atlanta 8000

Hand held model numbers:

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



For full specification, click [here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓				



TS8000

Hand held model numbers:

Single model variant



For full specification, click [here](#)

WinMobile	WinCE	Android (KitKat)	Android (Lollipop)	Android (Nougat)	Android (Marshmallow)
	✓				



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.



On a Tablet PC 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.

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Please note:

We are aware that some of the devices above have been "out of manufacture" for a number of years and are included in this list due to the large installed base of older Scanner devices. We are also aware that there is a market in re-furbished 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.

Where devices are several years old, they will have slower processor and operation. Sites with an average to heavy use may find that the speed of the devices is unacceptable.

Datalinx would always recommend the use of the currently available devices.

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