



Warehouse Manager X3

DML Client Supported Devices

Doc Version 01/21



Supported Devices for WHM DML

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

Version Number	Date	Details
01/21	6 January 2021	Updates to compatible device list, document layout updated Devices added - TC52, TC72, TC77 and Honeywell CK65 for Android
11/19	11 November 2019	MC9300 added to supported devices list.
9/19	19 September 2019	Further update to version numbering
08/19	7 August 2019	Version numbers for a range of devices added
04/19	24 April 2019	Updated to state TC56 supported for Nougat
03/19	11 March 2019	Updated to include Zebra RS6000 ring scanner for scanning barcodes
01/19	3 January 2019	Updated to include Honeywell/Dolphin CN80, which is supported for Android Nougat
10/18	1 October 2018	Updated to include MC9090-G, which is supported for WinMobile
08/18.1	31 August 2018	Updated the Supported DML Client Devices table to include further detail regarding scanning devices. (See end of table.)
08/18	21 August 2018	Updated to include MC3300; change to version numbering to reflect date of issue rather than software release
07/18	31 July 2018	Updated to include MC55X



Supported Devices for WHM DML

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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.

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








Android Devices

	KitKat	Lollipop	Marshmallow	Nougat	Oreo
Honeywell					
Honeywell CK65					•
Honeywell CT50	•				
Honeywell Dolphin CN80				•	
ZEBRA					
Zebra MC3300				•	
Zebra MC92N0	•				
Zebra MC9300					•
Zebra TC20				•	
Zebra TC52					•
Zebra TC56			•	•	•
Zebra TC70	•	•			
Zebra TC72					•
Zebra TC77					•
Zebra TC8000	•	•			



Windows Mobile Devices

	Windows Mobile	WinCE
 BELGRAVIUM <small>LEADERS IN REAL-TIME TECHNOLOGY</small>		
Belgravium Atlanta 8000		•
 touchstar <small>warehouse and logistics</small>		
Touchstar TS8000 (Belgravium Boston)		•
 DATALOGIC™		
Datalogic Falcon X3	•	
Datalogic FalconX3+		•
Datalogic SkorpioX3		•
 Honeywell Intermec®		
Honeywell Andromeda IV CK75A	•	
Intermec Andromeda III CK3X	•	
Intermec CK71		•
 ZEBRA		
Zebra MC3100	•	
Zebra MC3200		•
Zebra MC55A	•	
Zebra MC67NA	•	
Zebra MC70	•	
Zebra MC75A	•	
Zebra MC9090		•
Zebra MC9090G		•
Zebra MC9190		•
Zebra MC9200 Series	•	
Zebra MC92NG0		•
Zebra WT4100		•



Tablets and PCs

	Notes
Windows 10	
Windows 7+	The DML client is fully functional on a Windows 7 (and above) based PC or tablet (such as the Microsoft Surface).

USB Scanners

	Device	Configuration	Notes
Zebra	DS8108	AIM ID Code Character. OPOS	Manufactured after 1 January 2010
Zebra	DS8178	AIM ID Code Character OPOS	Manufactured after 1 January 2010
Zebra	RS6000	SPP Bluetooth Classic (Discoverable) AIM 1D Code Character	

Android Devices

Honeywell CK65

Android - Oreo



Supported for Android (Oreo)

The CK65 mobile computer boosts supply chain productivity by accelerating and error-proof with its up to 28-hour battery life maximizes productive uptime, while providing an easy path for users migrating from legacy Windows® operating systems to the Android™ platform.

Designed for warehouses, manufacturing, cold storage up to -30°C (-22°F), non-incendive (NI), and hazardous (ATEX) environments, the CK65 is ultra-rugged to survive multiple 3 m (10 ft) drops to concrete as well as dust and rain (IP65 and IP68 rated).

Honeywell CT50

Android - KitKat



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.

Honeywell Dolphin CN80

Android - Nougat



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.

Android Devices

Zebra MC3300

Android - Oreo



Model numbers: MC330n-nnnnnnnn

Supported for Android (Oreo)

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 the MC3300.

Zebra MC92N0

Android - KitKat



Model numbers: Gn0SnnAnnWR

Supported for Android (KitKat)

Zebra MC9300

Android - Oreo



Model numbers: MC930p-GSDDG4RW

Supported for Android Oreo

The MC9300 is a high end keypad/touch mobile computer. The ultrapowerful 8-core processor combines with up to eight times the RAM and 16 times the Flash memory of the MC9200 to deliver superior performance on all your voice and data apps.



Android Devices

Zebra 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

Android- Nougat

Zebra TC52



Supported for Android (Oreo)

The rugged TC52 Android Touch Computer builds on the highly successful TC51, adding a new platform and new capabilities as well as a large five-inch full HD display

Like the TC20 it boasts multiple 1.2 meter/4 ft to tile over concrete and has the ability to work from -10 to 50 degrees centigrade

Android - Oreo

Zebra TC56



Model numbers: TC56nJ - nPAZUnP – nn

Supported for Android (Marshmallow, Nougat)

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.

Android- Marshmallow/Nougat/Oreo

Android Devices

Zebra TC70

Android- KitKat / Lollipop



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.

Zebra TC72

Android - Oreo



Supported for Android (Oreo)

High definition display with multi touch operation that works even when when wet, with a gloved finger or stylus. Advanced scanning technology and PRZM intelligent imaging. Expanded working range and wide field of view with omnidirectional scanning.

Multiple 6 ft./1.8 m drop to concrete across full operating temperature range, multiple 8 ft. / 2.4 m drop to concrete at room temperature per MIL-STD 810G. Corning Gorilla Glass touch panel and imager window brings maximum scratch-resistance and shatter-proofing to the display and lens eye.

Zebra TC77

Android - Oreo



Supported for Android (Oreo)

High definition display with multi touch operation that works even when when wet, with a gloved finger or stylus. Advanced scanning technology and PRZM intelligent imaging. Expanded working range and wide field of view with omnidirectional scanning.

Multiple 6 ft./1.8 m drop to concrete across full operating temperature range, multiple 8 ft. / 2.4 m drop to concrete at room temperature per MIL-STD 810G. Corning Gorilla Glass touch panel and imager window brings maximum scratch-resistance and shatter-proofing to the display and lens eye.



Android Devices

Zebra 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.

Android- KitKat / Lollipop

Windows Mobile Devices

Touchstar TS8000 (Belgravium Boston)

WinCE



Model numbers: Single model variant

Supported for WinCE

Begravium Atlanta 8000

WinCE



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

Supported for WinCE

Datalogic Falcon X3

Win Mobile



Supported for WinMobile

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

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.

Datalogic Falcon X3+

WinCE



Model numbers:

945200030 945200031 945200034 945200035
945200043 945200044 945200051 945200052
945200053 945200055 945200056 945200057
945200058 945200074 945200075 945200076
945200077 945200082 945200083

Supported for WinCE

Windows Mobile Devices

Datalogic SkorpioX3

WinCE



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 Andromeda IV CK75A

Win Mobile



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.

Intermec Andromeda III CK3X

Win Mobile



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.

intermec CK71

WinCE



Supported for WinCE

The CK71 leverages Intermec's industry leading near/far area imager, capable of scanning from 15.2 cm up to 15.2 m (6 in up to 50 ft) allowing you the flexibility to read both 1D and 2D barcodes without the need for specialized scanners.

Windows Mobile Devices

Zebra 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.

Win Mobile

Zebra MC3200



Model numbers: MC32N0 – nnnnCnE

Supported for WinCE

This 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 lpha 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.

WinCE

Zebra MC55A



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.

Win Mobile

Windows Mobile Devices

Zebra MC67NA



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.

Win Mobile

Zebra MC70



Model numbers: MC7090 – PnnDnnFnnWR

Supported for WinMobile

The MC70 is a legacy Motorola device, the forerunner to the MC55A detailed above. 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.

Win Mobile

Zebra MC75A



Model numbers: MC75A0 – Pn0SWnRnnWR

Supported for WinMobile

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

Win Mobile

Windows Mobile Devices

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.

Zebra MC9090

WinCE



Model numbers: MC9090 - nnnH*nGnnWW

MC9090-G supported for WinMobile

* All builds apart from A (32MByte RAM/32 Mbyte ROM)
Supported for WinCE.

Zebra MC9090G

Win Mobile



MC9090-G supported for WinMobile



Windows Mobile Devices

Zebra MC9200 Series

WinCE



Model numbers: (with or without MS Office)

MC92N0 - Gn0SnnQnnWR, Gn0SnnRnnWR, Gn0SnnYnnWR

Supported for WinMobile

Zebra MC9190

WinCE



Superseded by the MC9190-Z

Model numbers: MC9190-Gn0SWnYnnWR

Supported for WinCE

Zebra MC9190-Z

WinCE



Model numbers: MC9190-Gn0SWnYnnWR

Supported for WinCE

Zebra MC92NG0

WinCE



Supported for WinCE



Windows Mobile Devices

Zebra WT4100

WinCE



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.



Tablet and PCs

Windows 10 Touchscreen



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.



USB Scanners

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 both GS1 and Non-GS1 barcodes, the following devices have been tested, have passed through quality assurance and have been released:

DS8108



Model numbers: DS8108-SR00007ZZWW, DS8108-SR00006ZZWW

AIM ID Code Character. OPOS

The DS8108 has a 800 MHz microprocessor, high-resolution megapixel sensor and Zebra's PRZM Intelligent Imaging technology. It is designed to offer high scanning performance in scan-intensive environments.

Manufactured after 1st January 2010

DS8178



Model numbers: SR0F007ZZWK, DS8178-SR0F007ZZWK, DS8178-SR0F006ZMWW

AIM ID Code Character. OPOS

The cordless DS8178 offers the same scanning performance, tools and manageability as the corded DS8108. It can scan continuously for 24 hours, with a battery gauge showing the status. Its Wi-Fi Friendly Mode means that Bluetooth scanners do not impact WLAN performance.

Manufactured after 1st January 2010

RS6000



Model numbers: RS60B0-nnSnnn

SPP Bluetooth Classic (Discoverable). AIM ID Code Character

The RS6000 is Zebra's most rugged ring-style scanner (March 2019). It can scan faster and almost four times farther than competitive wearable scanners, with up to five times the battery power, along with instant pairing and a mode that eliminates Wi-Fi interference. It also allows right and left hand operation with manual or triggerless scanning.

Supported for Windows 7, 8 and 10



Further Information

For more information about Warehouse Manager X3, Warehouse Manager X3 Lite, or any other Datalinx products, you may like to:
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