WinWam Hardware Requirements
2020

WinWam Software runs on MS ACCESS, SQL Express or SQL Server. The inspector's laptops are typically running MS ACCESS or SQL Express. The software can support a mixed database environment. The Central Office can run on a Server, Virtual Machine, or a PC.

Field Inspector / Office PC Requirements

Field Inspector PC	Minimum Requirements	Comments
PC Type	**PC**, requires signature pad **Tablet PC**, users can sign on the screen **Convertible Tablet PC**, best of both worlds	Traditional laptop PCs without a touch screen will need an external signature pad to capture the store representative's signature. Please contact WinWam for approved signature pads.
Operating System	Windows 7, 8, 8.1 or 10	**Windows 8 RT is NOT supported** Microsoft is supporting Windows 7 until January of 2020.
Processor	Intel Core i3 or better Recommend Intel Processor i5, i7	**ATOM processor NOT recommended** M Series low power processors will work, but may be slower. If possible, get a test machine before committing to a larger order. We can assist setting up a test environment to evaluate hardware.
Memory (RAM)	Windows 7 running ACCESS – 3 GB Windows 7 running SQL Express 4 GB	We recommend 64 bit Windows for maximum use of memory **Note:** Windows 10 will only run SQL 2012 express or later. SQL 2005 and 2008 **are not compatible** with Windows 10.
Hard Drive	7200 rpm or SSD SSD Drives Recommended	The software application and database has a small initial footprint. Therefore, any size disk should suffice if you are just running WinWam. However, when making the decision on disk size you must factor all applications including Windows, SQL Express (if applicable), Office, etc. and the associated data. We typically recommend 256 GB drives or better. **Internal Storage eMMC SSD drive NOT recommended** **5400 rpm drives NOT recommended**
Networking	Network connection for Synchronization	Synchronization is a mechanism for exchanging data between WinWam installations. It requires a shared network folder or cloud storage area to exchange data. This can be accomplished via on site network connection, VPN, or internet access to a cloud storage system like DropBox or Google Drive
Ports	USB or Serial ports for connecting external devices like barcode scanners or scales	We recommend at least one USB port. If you plan to connect more than on external device at the same time (e.g., mouse, keyboard, scale, barcode scanner, ethernet, etc.) you may need additional USB ports.
Battery	4-6 hours or better.	Many inspectors have a power adapter (cigarette lighter inverter) in their car / truck to charge their laptop while driving to inspections.
Screen Resolution	1024x768	For HD devices, users may obtain a better experience with 1366x768 resolution. WinWam requires a minimum of 768 vertical pixels

Central Office Computer:

Note: Recent versions of Windows Server may not be able to run older SQL Server releases. Before updating hardware, customers should verify the Operating System / SQL Server combination is supported by Microsoft. Windows 10 will only run SQL 2012 express or later. SQL 2005 and 2008 **are not compatible** with Windows 10.

Central Office PC	Minimum Requirements	Comments
PC Type	PC, Server, or Virtual Machine	WinWam runs well on Virtual Servers, as well as traditional hardware.
Operating System	Windows 7, 8, 8.1, 10 or Windows Server 2008 or newer SQL 2012 or better (Express or any higher edition)	1. Microsoft is supporting Windows 7 until January of 2020. 2. Use the same version number of SQL on the server as the Field PC's. 3. Field PC's can use SQL Express, as long as it is the same version number. 4. We recommend 64 bit Windows for maximum memory use
Processor	Intel Core I5 or Intel Xeon	For best results, at least 2 cores are recommended.
Memory (RAM)	3 to 4 Gigabytes	For SQL Installations, 4 gigabytes provide more head room.
Hard Drive	7200 rpm or SSD SSD Drives or fast network attached storage recommended	The software application and database has a small initial footprint. **Internal Storage eMMC SSD drive NOT recommended** **5400 rpm drives NOT recommended**
Networking	Network connection for Synchronization	Synchronization is a mechanism for exchanging data between WinWam installations. It requires a shared network folder or cloud storage area to exchange data. This can be accomplished via on-site network connection, VPN, or internet access to a cloud storage system like DropBox or Google Drive
User Access	WinWam Administrative users will need to log in to make internal WinWam configuration changes	This is typically done via remote desktop. Includes operations like adding and removing users, installing new forms, and changing certain inspection parameters and tolerances.
Synchronization / Silent Sync	Shared network folder or cloud storage option like DropBox or Google Drive Account that can run WinWam in Windows Task Scheduler	The shared network folder enables communication between the Field Inspector machines and the Central Office. The shared folder must be accessible on a regular basis in some fashion (coming into the office, VPN, or using a cloud storage option). The synchronization folder can be housed a separate file server if necessary. Silent Sync automatically keeps the synchronization process flowing by using Windows Task Scheduler to run synchronization on a set schedule.