Winworks AutoShop System Requirements

Processor (CPU):

Recommended: Intel QuadCore I5, I7 or Xeon 2.0+

Minimum: Intel Core 2 Duo processor / AMD Athlon or better
or Intel I5 Processor

Not Recommended: Intel Celeron, I3 or similar processors

Operating System:

Workstations*:   Windows 7 (Home Premium or higher), Windows 8 (Home Premium or higher)

Not Recommended: Windows Vista, Windows 8RT, Windows 7 Basic or Home Basic,

Not Supported: Windows XP

Server:**   2008R2, 2010 and 2012

Not Recommended: Windows 2003 and 2008 Small Business Edition Server

Not Supported: Windows 2000

For 3 user and larger systems: Remote Desktop Services strongly recommended. (Please see the "Networking" section for more information.)

*Recommended for Peer to Peer network environments that do not require a dedicated server.
**Recommended for Client/Server or Dedicated Server configurations. Please see "Networking" below.

RAM:

Server	Recommended	Minimum
Server 2012	12 GB	10 GB
Server 2010	10 GB	8 GB
Server 2008	10 GB	8 GB
Windows 8	8 GB	6 GB
Windows 7	8 GB	6 GB

Workstations

Windows 8	8 GB	6 GB
Windows 7	8 GB	6 GB

Graphics	1 GB Graphics Card	512 MB Graphics Card

Backup System:

Backup Media options include external hard drives, USB, Flash drives, ZIP drives, CDRW's (requires CD burning software) and Tape drives. For various technical reasons, our top recommendation is either an external hard drive or a USB drive. In most cases we do not recommend using a tape drive as the sole backup medium.

No matter which backup media you choose, you will want to back up regularly -- we recommend doing it daily, as part of your End of Day processing. Ideally, you will have a number of backup drives (multiple USB drives), which you can rotate, taking them home at night and bringing the next day's drive in to the shop in the morning. This is insurance for your data, in case of fire or theft.

Networking:

There are two major networking options today: **Peer to Peer** networking and **Client/Server** or "Thin Client" networking.

Peer to Peer Networking - Peer to Peer networking can be used for networking up to 3 user licenses.

> **The benefit** using Peer to Peer networking is that it is relatively easy to set up and maintain using any operating system, depending on how the network and workstations are set up.

> **The impact** using Peer to Peer networking is that constant access to databases across the network in AutoShop (as well as other applications) may slow down system performance over time as more data is added to the databases and more users are accessing the same databases. More users accessing an application and the databases in an application may result in slower network performance. The cost of maintenance for hardware is spread across all the workstations in the network as well.

Client/Server "Thin Client" Networking - Client/Server networking can be used for networking 3 or more user licenses.

> **The benefit** of using Client/Server networking is that when AutoShop is operating on three or more workstations at a time using either Microsoft **Remote Desktop Services** (Formerly Terminal Services) licensing (which you can purchase directly from Microsoft, a Microsoft product distributor or Dell) OR an alternate Thin Client solution, the performance and operation of the network and applications running across the network will be enhanced. This method of networking is highly recommended and, in some cases, required for larger operations. This method is also recommended for using applications in tablet and wireless networking scenarios. If the wireless connection goes down, you will not risk corruption of the data traveling through the connection. The connection is also very fast and reliable.

> **The impact of** using Client/Server networking does carry an initial cost to it in terms of setting up the server. However, once the server and workstations are set up, the cost is actually less in terms of only maintaining the server and not maintaining each workstation as heavily as needed in a Peer to Peer network.

Wireless Networking

> Wireless networking is typically not recommended in an automotive repair facility due to the heavy radio frequency interference (RFI) that occurs in this environment. If wireless networking has to be done, it can be achieved by using Wireless N or better Gigabit network cards and using Wireless N or better Gigabit routers using remote access. We also highly recommend Remote Desktop Services or an alternate Thin Client solution for networking.

Network Hardware (For Hard Wired Networking)

> Gigabit network (NIC) card and or better
> Gigabit network routers/switches or better
> Category 5e or better network cable

Anti-Virus Software:

Recommended: AVG Antivirus, Eset NOD 32 Antivirus

Not Recommended: Norton Antivirus, McAfee Antivirus, Kaspersky Antivirus, Webroot, Avast

**Other Incompatible
Software:**   Rocket Dock

When purchasing Anti-Virus software please note that all Anti-Virus software has the ability of restricting the AutoShop program from its full functionality. There may be changes to the software to allow for certain functions to work within the AutoShop system.

**These recommendations are for the Winworks AutoShop program only. If you use other programs on the same machine, be sure to check those program System Requirements as well.

System Permissions Settings:

With the newer operating systems (Windows 7, 8, and all server configurations), there are more security layers and permissions settings that will need to be set to allow for certain functions of applications to work. Please contact your local IT professional or Winworks Technical Support for assistance.