

# Mobile Manager Pro – Specification Requirements

## Mobile devices (tablets/phones)

- Minimum requirements
  - Operating System: Android OS 5.1.1 or better
  - Processor: Quad Core
  - RAM: 2GB or more
  - Camera: 5 megapixel or better rear facing camera
  - Storage: 16GB or more
- While the above represent the minimum specifications for Mobile Manager Pro to be installed on, each type of device has its own set of configurations that can change the performance of the program.
- The manufacturers of some devices, even Samsung, do not allow the device to update to the latest version of the Android System. Due to this, there will be a time that our minimum Android version increases to take advantage of the newest security and features available on the platform, in which case the devices that cannot be updated will not be able to update to the latest version of Mobile Manager.
  - Since we cannot control those factors, we recommend and stock the following devices:
    - Samsung Galaxy Tab A (8 inch)
    - Samsung Galaxy Tab S2 (9.7 inch)
- These two devices offer the best experience at a reasonable price. If you decide to seek other types of tablets/phones using the minimum specifications, we cannot guarantee the app will perform sufficiently. Selecting non-recommended devices can cause poor performance and fewer results.

## Shop Network Configuration (LAN) and (WAN)

### Supported Windows Operating Systems

Below is a list of compatible MS Windows Operating Systems.

While the list below represents individual operating systems that we are compatible with, ALL computers on your network should be running the same version of Operating Systems with all of the most recent Windows Updates applied. Each of the below Operating Systems handles Windows Networking Permissions in a slightly different manner. When your network consists of mixed operating systems and/or do not have the latest Windows Updates applied, network permissions and services that the Bolt On Technology software depend on may not be available or may not have the permissions necessary to fully function.

- Windows 10
- Windows 8.1
- Windows 7

## Not Supported Windows Operating Systems

The Bolt On Technology Suite of Software depends on a secure and stable MS Windows Operating System that receives updates from MS. When Microsoft stops updating their operating system, Bolt On Technology will no longer be able to support our software that is installed on it.

- Windows Vista – [Click Here for Supporting Document](#)
- Windows XP - [Click Here for Supporting Document](#)

## Switches

- Network switches should all be Gigabit switches. The easiest way to identify if you have gigabit switches is to look for a label near the port that indicates 10/100/1000. Sometimes the label is split with one side of the port labeled 1000M and the other side labeled 10/100.

Having gigabit switches increases the speed at which your wired network can transfer data from computer to computer. A network will only perform as fast as the slowest point in its route back to the host device, therefore, all switches transferring data should be gigabit switches.

## Shop Internet Configuration

### Internet

- Minimum requirements
  - Ping: Less than 20ms  
Ping represents the reaction time of your connection. The higher the number, the more likely you will have latency (delays) in data transfer to and from the web.
  - Download: 1mbps per device
  - Upload: 1mbps per device  
Example: If your shop has 5 computers, 5 VoIP phones, 10 employee cell phones and 10 tablets, that equals 30 devices so your minimum Download and Upload speed would be 30mbps/30mbps

### Wireless

- Minimum requirements
  - High Performance GB Wireless Router
  - Router should be centrally located in the building
- Shops are built mostly of cinder block and metal framing. This architecture can limit the range of your Wi-Fi connection and create weak signal strength in the middle of an open space. When outfitting your shop with Wi-Fi, the primary high performance wireless router should be centrally located in the building.
- Once the Wi-Fi is available, the signal strength should be tested at all areas in which Mobile Manager Pro will be utilized. If necessary, add wired wireless access points to strategic areas of your shop that will provide strong signal strength where needed.
- The SSID and Security Key for each access point should match that of your primary wireless device. This allows for the devices to transition seamlessly while moving around your shop. Your Local Area Network (LAN) must be on the same network. This is achieved by having only one device on your network serve DHCP and all devices that need to communicate with each other must receive their DHCP from that device and have permission to communicate with each other across the network.

- We recommend the following device:
  - Netgear WNDR4500 N900
- If you decide to seek other types of routers using the minimum specifications, we cannot guarantee the device will perform sufficiently. Selecting a non-recommended device can cause poor performance and lower results.

## Data Host Computer

- The data host computer should always use a wired internet connection. Using a wireless connection for the data host computer reduces the ability of the computer to serve the data by 50% when using a high performance wireless router. This especially holds true when the database is a MS Access database as corruption will occur if there is even a brief interruption to the Wi-Fi connection.

## When Used as A Workstation

- Recommended Requirements
  - Core I7-6700K or equivalent processor
  - If custom building your unit, be sure to select a motherboard that will support the processors capability.
  - High Performance gaming quality video card
  - 16 GB RAM

## When Used Only as a Server

- While a Xeon processor is listed in this section, please consider whether your requirements for the server require this higher cost processor. In most small and medium sized automotive shop implementations, the Core I7 processor listed above will do just fine at a fraction of the cost.
- Recommended Requirements
  - Xeon Processor E7-4809 v3
  - 16 GB RAM with room for expansion

## Workstation Computer

Although minimum specifications from the Shop Management System companies may indicate lower specifications for a workstations computer, we recommend the following computer specifications due to the computer being used for more than just the shop management system itself for things like running reports, add-on programs such as Bolt On Technology, web browsing and research for parts and how to video tutorials.

- Recommended Requirements
  - Core I7-6700K or equivalent processor
  - If custom building your unit, be sure to select a motherboard that will support the processors capability.
  - High Performance gaming quality video card
  - 8 GB RAM with room for expansion