# PC Hardware Requirements

WinDSX and WinDSX SQL are compatible with the latest and most recent Windows Platforms. PC Hardware and Operating Systems are outlined below. The hardware requirements are a minimum specification, which can always be exceeded if desired. All PCs used in the WinDSX system must meet these minimum requirements for the system to be supported by DSX.

**Note** /// System performance is dependant on the PC and LAN processing speed. The faster the PC, LAN, and the more memory the faster the system will operate. If you have any questions regarding the DSX software and PC requirements, please call DSX Technical Support.

| CPUs Minimums | Application |
|---|---|
| Pentium 1.6 GHz Dual Core (or better) | Host PC for single PC, single location system, or LAN workstation for single location system. 512M RAM |
| Pentium 1.8GHz Dual Core (or better) | LAN Comm Server or File Server for single location system, or workstation for multi-location system. 1G RAM |
| Pentium 2.4GHz (or better) | LAN Comm Server and/or combination File Server for multi-location system. 1G RAM - minimum |
| | |

| Memory Minimums | Application |
|---|---|
| 512M | Basic System, Single PC |
| 1G+ | Multi-Location Comm Server and Badging |
| | |

| Drive Minimums | Application |
|---|---|
| CD/DVD 16x or better | Software Installation |
| 1G Hard Drive Space minimum | Basic System requires 50M |
| | |

| Monitor | Application |
|---|---|
| SVGA 800 x 600 or better | Badging, Maps |
| 65,000 colors or better | |
| 17" or larger recommended | |
| | |
| | |

| LAN Communications | |
|---|---|
| Adapter 10/100Mbit or better | 100M is recommended |
| Requires TCP/IP Protocol | Use MS LoopBack Adapter if there is no LAN |
| Comm Server | Static IP Address |
| LAN Modules | Static IP Address |
| Comm Server to Controller | UDP - ports 4000 to 5000 |
| Comm Server to Workstation | TCP - ports 22223 / 22224 |
| | |

| Sound | Application |
|---|---|
| Windows™ compatible sound card. | WinDSX can play WAV files for input alarms. |
| | |

| Backup Gear | Application |
|---|---|
| Windows™ compatible Backup gear. | WinDSX can send backups to logical drive. WinDSX SQL uses SQL Server for backups. |
| | |

| Modem | |
|---|---|
| DSX External dial-up | DSX Modems are the only modems supported by DSX. |
| | |

| Serial Ports | |
|---|---|
| DSX-USB – USB to RS-232 / RS-485. | Direct and Dialup communications require a serial port. |
| | |

| Client Operating Systems | DSX Version |
|---|---|
| Windows™ 7 Professional | 3.7 / 4.7 and higher |
| Windows™ 7 Professional 64 bit | 3.7 / 4.7 and higher Peripherals require 64 bit drivers. |
| Windows™ Vista Business Svc Pack 1 | 3.7 / 4.7 and higher |
| Windows™ XP Professional Svc Pack 2 | 3.5 / 4.5 and higher |
| The Comm Server Program can run on a Client Operating System. | |
| | |

| Server Operating Systems | |
|---|---|
| Server 2003 | 3.5 / 4.5 and higher |
| Server 2008 | 3.7 / 4.7 and higher |
| Server 2008 R2 | 3.7 / 4.7 and higher |
| Server Operating Systems require the use of Active Directory. | |
| | |

| SQL Server | |
|---|---|
| SQL 2005 Svc Pack 3 | WinDSX SQL requires Microsoft SQL Server. WinDSX uses Microsoft Access. |
| SQL 2008 | 3.7 / 4.7 and higher |
| SQL 2008 R2 | 3.7 / 4.7 and higher |

** As a general rule, when installing WinDSX/WinDSX SQL on Windows 7 or Windows Server 08, right click on Setup.exe and choose "Run as Administrator".