



PC Hardware Requirements

DSX, DSX-SQL, PC Master, L85 and SIO are compatible with the latest and most recent Windows Platforms. PC Hardware and Operating Systems for these applications are outlined below. The hardware requirements are a minimum specification, which can always be exceeded if desired. All PCs used in the DSX system must meet these minimum requirements for the system to be supported by DSX.

Note /// System performance is dependent on the PC and LAN processing speed. If you have any questions regarding the DSX software and PC requirements, please call DSX Technical Support. This PDF located on the DSX Website supersedes all other disseminations. EOL Operating Systems are not supported. Laptops are for Service and Setup. They are not supported in a Server Role.

CPUs Minimums	Application
Intel i3 Dual Core (equivalent or better)	Single Comm Server No Clients 1 Location 4GB RAM - Minimum
Intel i5 Quad Core (equivalent or better)	Single Comm Server, Multiple Clients Multiple Locations 6GB RAM - Minimum
Intel i7 Quad Core (equivalent or better)	Primary and Backup - - Comm Servers -SQL Multiple Clients Multiple Locations 8GB RAM - minimum
Memory Minimums	Application
4-8GB	Basic System, Single PC
8GB+	Multi-Location Comm Server and Badging
Drive Minimums	Application
USB Port for Flash Drive	Software Installation
1G Hard Drive Space minimum	DSX Install requires 100M SQL Databases require 300M
Monitor	Application
1024 x 768 minimum	Badging, Maps
17" or larger recommended	

LAN Communications	
Adapter 100Mbit or better	100M or better recommended
Requires TCP/IP Protocol	Use MS Loopback Address if there is no LAN
Comm Server	Static IP Address -required
LAN Modules	Static IP Address -required
Comm Server to Controller	UDP - ports 4000 to 5000
Comm Server to Workstation	TCP - port 22223
Mobile Service (optional)	TCP 60001-60002 configurable
Sound	Application
Windows™ compatible sound card.	DSX can play WAV files for input alarms.
Backup Gear	Application
Windows™ compatible Backup gear.	DSX can send backups to logical drives. DSX 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.	Used for Direct and Dialup communications.
Virtual Environments	Cloud Computing
Hyper-V	With supported desktop
VMware	and server operating systems
Azure	
AWS	
Parallels Desktop for MAC	w/compatible OS
Server Operating Systems	
Server 2012 R2	3.9 / 4.9 and higher
Server 2016	5.0.22 / 6.0.22 and higher
Server 2019 CU1	5.0.24 / 6.0.24 and higher
Server Operating Systems	Require Active Directory
SQL Server	
SQL 2012 sp3	4.9 and higher
SQL 2014 sp2	4.10 and higher
SQL 2016 sp1	6.0.22 and higher
SQL 2017 CU9	6.0.22 and higher
SQL 2019 CU1	6.0.22 and higher
TLS 1.2-1.3 w SQL2016 ^	6.0.24 and higher
Client Workstation OS	DSX Version
Windows™ 10 Pro +64 bit	5.0.22 / 6.0.22 and higher
Windows™ 11 Pro +64 bit <i>The Comm Server can run on</i>	5.0.35 / 6.0.35 and higher <i>Windows 10/11 Pro.</i>
Dependencies	
Access and SQL	.Net Framework 4.0 and ^
SQL	SQL Native Client – provided