Device Manager™ Technical Specifications

Operating System	Windows 2000, Windows XP Professional, Windows Server 2000, Windows Server 2003	
Application Framework	Microsoft .NET Framework 2.0	
Database Platform	Microsoft SQL Server 2005	
SNMP	Windows SNMP Service	
Reporting Engine	Reporting Library: Java Platform:	JasperReports Java SE Development Kit (JDK) 1.6 (or higher) JDBC 2.0 driver (if RDBMS used)
Source Language	Visual C++	
Web Console	Supported Browsers: Java Platform: Web Server: Web Framework:	Internet Explorer 6.0 and 7.0, Mozilla Firefox 2.0 Java SE Runtime Environment Microsoft IIS 5.0 and 6.0 ASP.net 2.0

Minimum System Requirements

Intel Pentium 4 CPU running at 2 GHz (or higher)
512 MB RAM
20GB available hard drive space
DVD/CD-ROM

Recommendations for Enterprise Server

Windows Server Platform	For an enterprise-class server, Simtrol recommends the Microsoft's Server platform. Windows Server has greater system resources needed for large-scale deployments
CPU	Simtrol recommends the latest modern processor and clock rate. Server-class CPU specifications are steadily increasing, therefore no specific recommendations can be made.
Memory	Memory requirements increase as the number of devices increase and as the relative intensity of monitoring increases. Refer to product documentation for details.
RAID Array	Simtrol recommends equipping the hardware platform with a RAID array for reliability for enterprise-class systems.

Recommended Hardware

Serial Expansion Hardware	PCI serial card USB serial expansion IP-Serial converters

Device Management Interfaces

TCP/IP Interface	TCP/IP interface is the standard network communications protocol. Devices may be equipped with Ethernet ports for TCP/IP control. Device Manager communicates with IP-enabled devices over a standard IT network (LAN, WLAN).
Serial Interface	Serial interfaces include RS-232 (standard), RS-422 and RS-485. Windows registers serial interfaces as COM ports. Device Manager communicates with devices' serial interfaces directly through the COM ports.
Infrared (IR) Interface	Infrared (IR) is the same technology used in handheld remote controls for consumer electronics (TVs, VCRs, etc.). Device Manager uses a serial or IP connection to an IR-transceiver to transmit and receive IR signals.
Contact Closure Interface	Contact closures interfaces are often referred to as IO interfaces and may be Outputs or Inputs. Outputs are usually electrical relays (to trigger an action). Inputs are contact closure sensing units (to signal the control system). Device Manager uses a serial or IP connection to various contact closure relays or sensors.