



System Requirements

Stone Profit Systems Quantum (ENTERPRISE)

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For stone and tile distributors / wholesalers / importers Stone Profit Systems (SPS) offers a comprehensive “internet based” Enterprise Management Solution that runs your Distribution or Fabrication business more efficiently and profitably. This integrated software system provides all the features required to manage your stone and tile business and is packaged as a single software product into various modules.

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Minimum Hardware for Servers

The minimum hardware that is required to install and run SPS Quantum includes:

Item	Requirement
Processor	2 CPU sockets filled with XEON Quad-core Xeon 3.0 GHz (or better GHz wise and Core wise)
RAM	16GB RAM or More For most environments, larger amounts of RAM will yield higher levels of overall performance. When purchasing RAM, consider future upgrade options and the RAM limit for your server's operating system.
Harddrive Space	2GB for smaller systems to over 10 GB for larger systems of free disk space for the database file. (depends on number of users and transaction volume) + Additional space requirements for uploading documents and files. + For best performance, select SCSI Ultra Fast/Wide Disk Drives rotating at 15,000 rpm. Select a higher value of disk buffer size like 16 or 32 MB or more.
Tape Drive Backup Equipment	SPS Quantum recommends your company invest in a reliable backup system. Your hardware vendor can provide a recommendation.

Actual requirements will vary based on the system configuration and the applications and features that you decide to install. Choosing appropriate hardware for SPS Quantum depends on many factors, including the following:

- ▶ Number of transactions per hour
- ▶ Number of concurrent users
- ▶ Number of locations
- ▶ Number of concurrent users for the customer log in portal
- ▶ Number of concurrent users for the supplier log in portal
- ▶ Number of concurrent users for the web-connect module

Supported Server Operating System

The following server operating systems are supported for SPS Quantum.

Requirement	Notes
Windows Server 2003 Standard Edition, Enterprise Edition,	64-bit recommended, 32-bit works too.
Windows Server 2008 R2 Standard Edition, Enterprise Edition,	
Windows Server 2008 Standard Edition, Enterprise Edition,	

NOTE:

Although a server operating system is required for most SPS Quantum components, you can install some server components on supported client operating systems, as well. This type of installation is supported for demonstration or development. However, in a production environment, you must install on a supported server operating system.

Software Requirements for Database Servers

Servers where you install SPS Quantum must meet the software requirements listed in the following table.

Requirement	Notes
Microsoft SQL Server® 2005, Standard or Enterprise editions with service pack 4	Only 64-bit versions of SQL Server are supported.
-or- Microsoft SQL Server® 2008, Standard or Enterprise editions, with Service Pack 1	View the minimum hardware requirements for SQL Server at http://www.microsoft.com/sql/default.mspx .
-or- Microsoft SQL Server 2008® R2, Standard, Enterprise, or Datacenter editions	In a production environment, we recommend installing the latest Cumulative Update for the version of SQL Server that you are using.

To support e-mail alerts in SPS Quantum, an SMTP (Simple Mail Transfer Protocol) server must be present in the environment.

Network Requirements

In the table below are the minimum network requirements for connection between the client and the SPS Quantum application server (QAS) as well as the connection between the SPS QAS and the database servers.

Value	Client to QAS	QAS to Database
Bandwidth	DSL or higher quality connection	100mps
Latency		Less than 5Milliseconds

We recommend that you consider the following types of connections when planning your system:

- ▶ For a system that uses a local area network (LAN) or wide area network (WAN), connect by using IP restricted access to the IP address of the server that is setup as a website in Internet Information Services. SPS Quantum can operate on networks that use Internet Protocol Version 4 (IPv4) or Internet Protocol Version 6 (IPv6).

Domain Requirements

Consider the following domain requirements when you install SPS Quantum:

- ▶ Computers that are running SPS Quantum must have access to the server on which the SPS Quantum system has been setup in IIS.

Minimum Hardware for All Client Computers

The minimum hardware that is required to install and run SPS Quantum includes:

Item	Requirement
Processor	Intel Pentium/Celeron family or compatible Pentium III Xeon or higher processor minimum 1.4 GHz or higher recommended
RAM	2GB RAM or More recommended
Monitor	Super VGA (1024 x 768) or higher resolution monitor
Communications	DSL or higher quality connection is required to access the application via an internet browser.

Software Requirements for All Client Computers

The following software must be present on the computer for SPS Quantum to be accessed.

Requirement	Notes
Internet Explorer 9.0	Web browser clients can run on many operating systems. However, those configurations are supported only for issues that can be reproduced when the browser is running on an operating system that is supported for SPS Quantum.
Mozilla Firefox 3.5 or higher	
Google Chrome 10.0.612 or higher	
Safari 4.1.3 or higher	
2007 Office release, Service Pack 2 or 2010 Office release	

Supported Client Operating Systems

Operating System	Notes
Windows 7 Professional edition, Home Edition, Ultimate edition, or Enterprise Edition	Both 32-bit and 64-bit versions of Windows 7 are supported.
Windows Vista Business Edition, Home Edition, Ultimate Edition or Enterprise Edition with Service Pack 2	Both 32-bit and 64-bit versions of Windows Vista are supported.
Windows XP Professional Edition, Home Edition	Both 32-bit and 64-bit versions of Windows XP are supported.

Handheld Hardware Requirements

Device Requirement
Screen size minimum of 240 x 320
Device must have an internet browser
IEEE 802.11 Radio frequency standards support
Access Points
IEEE 802.11 Radio frequency standards support