

Q-path™ software streamlines the management of ultrasound examinations performed on select SonoSite systems. It enables clinicians to manage quality assurance, credentialing, exam storage, billing, and reporting easily from any network-connected PC or Mac®. Q-path is compatible with the SonoSite Edge®, M-Turbo®, S Series™, NanoMaxx™, and MicroMaxx® ultrasound systems.



1. Why does Q-path require a server?

The Q-path server provides a single and secure location for the storage of ultrasound images, worksheets, and data that are collected from an unlimited number of ultrasound systems.

2. What are the Q-path server requirements?

Q-path server requirements:

Microsoft Windows Operating Systems (any of the following):

- Windows Server 2008 64 bit
- Windows Server 2012 64 bit
- Windows 7 Professional 64 bit
- Windows 8 Professional 64 bit

Processor:

- Dual or Quad core
- 2 GHz or higher

Memory:

- Minimum 4 GB (8 GB or more recommended)

Hard disk storage:

- 500 GB to 2 TB depending on the number of ultrasound exams uploaded

Network Connectivity:

- Ethernet 100 Base T full duplex minimum (Gigabit preferred for improved performance)

Database (any of the following):

- MS SQL Server 2008 64 bit R2
- MS SQL Server 2012 64 bit R2
- MS SQL Server 2008 Express 64 bit R2
- MS SQL Server 2012 Express 64 bit R2

Q-path client requirements:

Microsoft Windows Operating Systems (any of the following):

- Windows XP SP3
- Windows 7 32/64 bit
- Windows 8 32/64 bit

Macintosh Operating System (Server or Client):

- Mac® OS 10.5.6 or later

Minimum System Requirements:

- USB drive
- Ethernet connectivity (wired or wireless)
- 1.5 GHz processor
- 2 GB system memory
- 100 GB hard disk space

Web browser:

- FireFox 3.5 or later; Internet Explorer 7.0 or later; or Safari 4.0 or later
- Silverlight 5.xx web browser plugin installed (download from Microsoft Silverlight website)

Media Players / Readers:

- Adobe Reader 8.1 or later (See www.adobe.com)

3. How much disk storage space is really used?

Typically, each ultrasound image single frame uses about 80 to 100 Kb of storage. An average exam uses about 50 to 100 Mb of storage.

4. How is Q-path installed?

Q-path is installed remotely over the Internet by Telexy Healthcare technical support. Remote access to the Q-path server is required.

5. Who maintains the Q-path server?

The IT group that supports the department or institution server team would normally maintain the server.

6. How is Q-path data backed up?

Q-path provides data backup and restore capability. It is expected that the server or computer hosting Q-path is backed up according to the policies in place at the hosting institution.

7. Who has access to Q-path?

Anyone needing access to the ultrasound data or images collected during ultrasound exams can be given a Q-path account. Accounts are assigned to a User Group which is assigned various privilege levels and roles.

8. Who administers user accounts for Q-path?

Account administration for Q-path is a function of the department and/or IT, depending on who is assigned that responsibility.

9. How do my images/studies get from my ultrasound machines to Q-path?

Studies and images can be transferred to Q-path manually via a USB memory stick or automatically via the Ethernet. When connected by Ethernet, images and studies are automatically transferred during or at the end of each exam, depending on how the ultrasound system is configured.

10. Is Q-path wireless?

Q-path can be used in a wireless network if the following requirements are met:

- The ultrasound system must be capable of wireless communications
- The hospital environment must support wireless communications

11. What wireless security schemes are available?

SonoSite systems support 802.11b/g/n wireless protocols. Versions of WEP, Shared WEP, WPA, WPA2, and Enterprise (Radius) encryption and authentication policies are configurable.

12. Can Q-path support multiple departments with multiple locations?

Q-path is intended to provide either a departmental or local solution for image storage, or an enterprise solution for multiple departments and/or hospitals. If a healthcare system has multiple locations that share a common data network, Q-path will work.

13. Does Q-path support “virtual” installation?

Q-path can be installed on a virtual server as long as the virtual server meets the server requirements.

14. Does Q-path support “clustered” configuration?

Q-path supports a clustered environment for improved reliability.

15. Can Q-path be accessed remotely?

Q-path has no limitations to prevent remote access. If your hospital allows VPN or other remote access tools, Q-path can be accessed from nearly any location with a broadband Internet connection.

16. Does Q-path support HL7?

Q-path supports HL7.

17. Does Q-path communicate with EMR/EHR systems?

Q-path is capable of communicating with EMR/EHR systems that support HL7 after configuration through its programmable HL7 engine. Transfer can be done either automatically based on a rule or manually using a transfer button.

18. Does Q-path communicate with Active Directory systems?

Q-path is capable of being configured to communicate with LDAP Active Directory systems.

19. Does Q-path communicate with Admit/Discharge/Transfer (ADT) systems?

Q-path is capable of communicating with ADT systems that support HL7 after configuration through its programmable HL7 engine.

20. Does Q-path communicate with PACS systems?

Q-path is capable of communicating with PACS systems after configuration using its programmable DICOM engine. Transfer can be either automatic based on a rule or manual using a transfer button.

21. Does Q-path communicate with Ultrasound Order systems?

Q-path is capable of communicating with Ultrasound Orders systems that support HL7 after configuration using its programmable HL7 engine.

To learn more contact your local SonoSite representative.