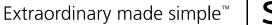Specifications

SMART Bridgit™ software

Version 4.2

Product description

SMART Bridgit™ conferencing software is a cost-effective client/server application that lets you easily schedule meetings and connect, share and collaborate with local and remote participants anytime, anywhere, using your computer or SMART interactive product. SMART Bridgit software supports private local and wide area network (LAN and WAN) installations as well as public deployments that use a fully qualified domain name via the Internet.

Some of the things you can do with SMART Bridgit software include:

- Share your SMART Board™ applications or desktop with meeting participants.
- Host live demos, presentations, training events, webinars and ad hoc collaborative sessions.
- Present slides and demonstrate products to remote participants.
- Review documents together.
- Show and work on meeting notes simultaneously with remote participants.
- Help colleagues and customers navigate intranet and Internet sites.
- Remotely control meeting participants' computers, with their permission.
- View meeting participants who are using webcams.
- Speak with and listen to meeting participants using Voice over Internet Protocol (VoIP) technology.

Supported languages

SMART Bridgit supports the following languages on both Windows® and Mac computers.

English (U.S.)	Spanish (Spain)
English (UK)	Spanish (Mexico) (Windows only)
Korean	French
German	Turkish
Russian	Dutch (Netherlands)
Italian	Norwegian
Japanese	Portuguese (Portugal)
Chinese (simplified)	Portuguese (Brazil)
Chinese (traditional)	Czech
Swedish	Danish

SMART Bridgit Server system requirements

- 1.2 GHz Intel® Pentium® 4 processor or equivalent
- 1 GB of RAM
- Microsoft® Windows XP SP3, Windows Server® 2003 R2, Windows Server 2008 R2 operating system
- 100 Mbps network interface card that supports the TCP/IP protocol

NOTES
- 1 Gbps NIC recommended.
- Increased hardware capabilities improve overall meeting performance.
- A single-processor server with a 100 Mb network interface can support up to 250 concurrent users. To support more users, add multiple processor cores to the server and allocate more network bandwidth. Exceeding the recommended number of users can affect performance.

SMART Bridgit 4.2 client system requirements

Supported operating systems

Windows

- Windows XP SP3
- Windows Vista®
- Windows 7

Mac

- 10.4.X
- 10.5.X
- 10.6 X

Without VoIP audio or webcam video

Windows

- Pentium III 1.2 GHz
- 512 MB of RAM
- Broadband Internet connection

Mac

- 1.2 GHz PowerPC® G4 or G5 processors or Intel processors
- 512 MB of RAM
- Broadband Internet connection

With VoIP audio and webcam video

Windows

- Pentium III 1.2 GHz
- 1 GB of RAM
- Broadband Internet connection

Mac

- 1.2 GHz Power PC G4 or G5 processors or Intel processors
- 1 GB of RAM
- Broadband Internet connection

Webcam requirements

Windows

- Compatible with DirectShow® 9 driver
- 24-bit RGB color support

Mac

- Internal webcam or iSight camera
- QuickTime Video capture

Internet browser requirements

SMART Bridgit client software requires Internet Explorer® Internet browser 6.0 or later. However, Internet Explorer doesn't need to be your default browser. SMART Bridgit software can use a variety of browsers to access the Internet, including the following:

Windows

- Internet Explorer 6.0, 7.0, 8.0
- Opera™ 9, 10
- Firefox® 2.0, 3.0, 3.5

Mac

- Safari 3.0
- Firefox 2.0, 3.0, 3.5

SMART Scheduler Server requirements

- 1.2 GHz Intel Pentium 4 processor or equivalent
- 1 GB of RAM
- Microsoft Windows XP SP3, Windows Server 2003 R2, Windows Server 2008 R2 operating system
- Microsoft Exchange Server 2003 or 2007
- 10 Mbps network interface card that supports the TCP/IP protocol
- CDO 1.2.1 (Microsoft Collaboration Data Objects), version 6.5.8165.0 or later. You can also download this software during the server installation.
- Microsoft Outlook® cannot be installed on the same machine as your SMART Scheduler Server
- Network connection that provides access to your SMART Bridgit Server and Microsoft Exchange Server

Microsoft Exchange Server

Microsoft Exchange Server 2003 or 2007

SMART Scheduler Outlook Add-in

- 1.2 GHz Pentium III processor
- 512 MB of RAM
- Microsoft Outlook 2003 SP 3 OR Microsoft Outlook 2007 SP 2
- Network connection that provides access to your SMART Bridgit Server and Microsoft Exchange Server

Compatibility

SMART hardware
- SMART Board 500 series interactive whiteboard
- SMART Board 600 series interactive whiteboard
- SMART Board 600i series interactive whiteboard system
- SMART Board 800 series interactive whiteboard
- SMART Board 8000 series interactive display
- *Rear Projection* SMART Board interactive whiteboard
- SMART Board interactive display frame
- SMART Board *for Flat-Panel Displays* interactive whiteboard
- SMART Podium™ interactive pen display

SMART software
- SMART Ideas concept-mapping software 5.1
- SMART Notebook™ collaborative learning software 10.0 and later
- SMART Product Drivers 10.6 SP2 and 10.7
- SMART Meeting Pro™ Premium software 2.1 and 2.2

Security

SMART Bridgit software complies with the Secure Sockets Layer (SSL) 3.0 standard for secure communications. It uses OpenSSL to generate a self-signed SSL certificate used for data encryption. Each time the server starts, a new 1024-bit SSL certificate is generated and a new 256-bit encryption key negotiated with each client.

Default network TCP/IP ports

SMART Bridgit software uses the following network ports by default:

Default Port(s)	Protocol	Use
80	TCP	• Primary port for data, screen viewing and webcam traffic for SMART Bridgit meetings. • If this port is limited to only HTTP protocol, SMART Bridgit attempts to use the secondary port (9933) for this traffic. If port 9933 is blocked or unavailable, SMART Bridgit uses the HTTP protocol on the primary port, which can affect performance.
9933	TCP	• Secondary port for data, screen viewing and webcam traffic for SMART Bridgit meetings.
9901–9920	UDP	• Primary port range for VoIP audio traffic for SMART Bridgit meetings. • If these ports are blocked or unavailable, SMART Bridgit will fall back to TCP or HTTP protocol on the primary or secondary port, which can affect performance.

Bandwidth usage

SMART Bridgit software performs optimally when you allocate at least 250 Kbps of network bandwidth on your server for each meeting participant, both inbound to, and outbound from the server. For example, if you have a 1.5 Mbps bandwidth connection to your server, you can support a maximum of six concurrent participants at optimal performance (250 Kbps × 6 = 1,500 Kbps or 1.5 Mbps).

Use the following table to estimate bandwidth requirements for SMART Bridgit software.

SMART Bridgit software resource	Bandwidth required
One shared desktop with a resolution of 1024 × 768	60 Kbps (without web-cam video)
One open microphone using the standard quality setting	30 Kbps
One open microphone using the low quality setting	23 Kbps
One open webcam with moderate activity	40 Kbps

SMART™