

HD TelePresence & HD Video Conferencing Integration



In a Nutshell

Spontania has been defined by many corporate users as the one product that brings together all the strong points of Skype + WebEx + Polycom.

Spontania is a group Videoconferencing software, with exceptional video and voice quality that includes real time collaboration features so that you can share any and all types of presentations simply, safely and instantaneously.



In fact, users quickly feel comfortable with the familiar visually-interactive and instant-messaging system; all that allows them to get chatting one-to-one or in a group in no time.



Whenever they need to, they can engage in high-quality multi-point Videoconferencing at the click of a button, instantly inviting anyone who would be welcome at the meeting to please attend.



The IP audio-bridge system insures superior voice quality – on a par with traditional land-line telephone standards. *Spontania* has an echo-cancelation algorithm feature that prevents inconvenient feedback, even when users don't or can't access external headsets or microphones.



Any user, at any time, may share any type of document, presentation or desktop information with the rest of the group, who, in turn, can then work on that shared file (making corrections, editing commentary, etc.)



All this from a simple interface that integrates a complete package of functions and features a modern, user-friendly tri-dimensional video format.

“Now, I can meet very efficiently with my partners in 15 different countries, whenever I need to and without having to leave my office in Connecticut ”



Why Spontania?

Spontania belongs to the Gartner Web Conferencing and occupies a particularly relevant spot among the Visionaries (those in the vanguard vis-a-vis product vision who best provide what the market demands). **The American consulting firm stated:**

*“**Spontania** offers integrated virtual-presence, IM, audio web conferencing and high-quality multi-point videoconferencing services”.*

*“**Spontania**’s Wide-Band Adaptive System (patent pending) provides optimum performance and superior video quality. The system automatically checks and adjusts users’ video quality as a function of available network at all times”.*

“Spontania is integrated with other manufacturers’ existing infrastructures, such as those of Cisco, Avaya and Nortel, Microsoft OCS and Lotus Same time”.

*“**Spontania** offers a clear difference in the field of wide-band video use management and a unique implementation capability when working with complex connectivity requirements, such as satellites and VSAT antennas. For this reason, Spontania has achieved major success at the educational industry”.*

List of Features

Spontania allows for real-time collaboration within all types of Organizations and Virtual Communities, and integrates the following features:



Secure and Corporate Presence & Instant Messaging.



Pooling System.



High-quality, Multi-point Audio-and Video conferencing.



Raise Hand function.



Video Files Sharing.



Spontaneous External User Invitation through: IM Federation, Corporate e-mail and Telephone Services.



Instant connection to additional Video sources (TV, DVD).



Interactive session Recording (3 formats: WMP, Spontania and MP4).



App and Desktop File Sharing.



Additional Channels for Remote Simultaneous Interpretation.



Application and Desktop Remote Control.



White Board. aimed at brainstorming or discussion online meetings,



File Transferring



Multi-device: PC, Mac, iPhone, iPad & Android

Spontania Software Technical Specifications

Video Codec	H.264, H.264 VBR/CBR and MPEG
Audio Codec	Speex audio codec.
Video Recording	Capability to record Full HD Video Conference sessions in three format WMV, Wconf and MPEG4
Protocol Support	H.239 / H.263
Security	128Bit Encryption inbuilt
Firewalls Traversal	Inbuilt firewall traversal using 443 Port
Scalability	Scalable enough to be upgraded in the Multiples of one.
Video Streaming	Each of the software client can transmit and received videos at 1080p30 resolutions at 2 Mbps connection speeds
Bandwidth	Supports videoconferencing connectivity from client software from 40 kbps to 2 Mbps bandwidths.
Interoperability	Can connect to any hardware video conference system which supports H.323/SIP Protocol.
Spontania Communication Ports	TCP 80 & TCP 443 & (optional UDP 6000-6100)
H323 Communication Ports	<ul style="list-style-type: none"> • TCP 1720 • TCP 2601 – 2701 • UDP 8200 – 8800
SIP Communication Ports	<ul style="list-style-type: none"> • TCP/UDP 5060 • TCP 2601 – 2701 • UDP 8200 – 8800
Network	* PS (Packet switched) * CS (Circuit Switched): 3G Video call, PSTN call (it needs a transcoding GW)
Network Support	IP(Network Independent):Corporate(LAN&WAN) Mobile Network (GPRS, EDGE, EvDO, UMTS & LTE) Home Network (DSL & WiMAX)
Bandwidth Optimization Tool	ABM (Auto Bandwidth Management) tool to adjust video quality as per the current available bandwidth
Architecture Supports	Central and Distributed
Audio Protocols	G.711 A/ U

Audio/video quality

Spontania products offer in its solution a high audio quality. The platform includes different capabilities with audio levels optimization (gain control algorithms) and noise filtering. Video quality is adapted to the network transmission capacity. The lowest quality for a user is GPRS (2 fps), and the higher is DVD (24 fps). It is also possible to distribute both video/TV signal and AVI media files through the PC client.

Integration

Spontania service is highly integrated:

- Corporate tools
 - o Active Directory integration for user authentication
 - o CRMs integration (may require additional development)
- Network nodes and 3rd parties' services integration by means of a Web Service API (billing, provisioning and External authentication).

Look & feel customization

The web administration tool allows to:

- Customize WEB access (corporate logos)
- PC/MAC client downloading page customizable
- PC/MAC client look and feel.

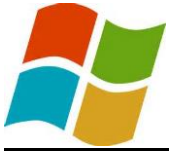
Integration with legacy videoconferencing equipment

Spontania server integrates different modules providing real-time videoconferencing and remote teamwork collaboration tools, integrating the most common devices, such as PCs and mobile phones. Spontania server works on any IP network environment like the Internet, intranet, mobile and satellite networks. As part of the Spontania products, it possible to manage fully compliant H.323/SIP communications. Many H.323/SIP systems may communicate directly with the Spontania platform:

- Gatekeepers
- Gateways
- MCUs
- H.323 End Points and SIP User Agents
- Proxys
- H.323/SIP video conference equipment

The integration with H.323/SIP End Points can be done using Spontania Gateway. It is recommended the use of Gateway module for the integration with several traditional videoconference equipments which are in the same LAN. It requires an additional extra hardware and specific network configuration.

User Requirements



If using "**windows PC or Laptop**"

Processor	Intel Centrino Processor with a 1.6 GHz CPU
RAM	2GB
Operating System	Microsoft Windows XP, Windows Vista, Windows 7 or Windows 8
Internet Connection	Minimum broadband Internet connection 256Kbps (512 Kbps recommended). Some Spontania releases allow connectivity in the Intranet.
communication ports	1) TCP 80 and TCP 443 (required)(Proxy/firewall friendly) 2) TCP 5222 (optional, for Instant Messaging and Presence, if this functionality is activated)
Web browser	Internet Explorer 6.01 or higher, Netscape 7, Mozilla 1.6, Safari 1.0.1.2, Chrome to connect to the service, and installation/execution permissions of Spontania plugin
Audio and video devices together with their drivers, installed correctly. Using a USB 2.0 port for the connection of the video device is recommended	



If using "Mac PC OR Laptop"

Processor	Intel Processor
RAM	2GB
Operating System	Operating System: MacOS 10.5 (Leopard), MacOS 10.6 (Snow Leopard) MacOS 10.7 (Lion) and MacOS 10.8 (Mountain Lion).
Internet Connection	• Minimum broadband Internet connection 256Kbps (512 Kbps recommended). Some Spontania releases allow connectivity in the Intranet.
communication ports	1) TCP 80 and TCP 443 (required) 2) TCP 5222 (optional, for Instant Messaging and Presence, if this functionality is activated)
Web browser	Mozilla 1.6, Safari 1.0.1.2 and installation/execution permissions of Spontania plugin.
Audio and video devices together with their drivers, installed correctly. Using a USB 2.0 port for the connection of the video device is recommended	



ANDROID

If using an “Android “

Operating System	Android 2.3 and a CPU with instruction set armv7 or compatible.
	Software downloaded from Android Market (Name: Spontania Mobile).



If using an “iPhone or iPad”

Operating System	iOS 4.3 or higher.
	Software downloaded from iTunes, in the Apple Store

“Put one of your company reps in the PC of every client or lead”.

That’s Spontania!!

