Systems Management

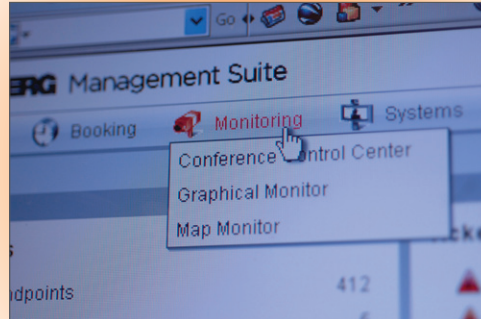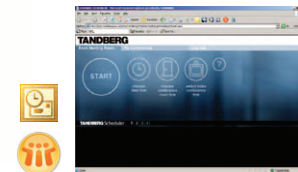**Monitoring, Diagnostics & Reporting**

Personal Video Communications

Scheduling

TANDBERG
Management Suite

One management platform for all your visual communication needs. TANDBERG Management Suite (TMS) provides complete visibility and control for on-site and remote video networks. It's scalable, easy-to-use and integrates with existing applications and third-party vendors to increase ROI.

The TANDBERG Management Suite is available as a software application or as a pre-installed server, enabling customers to choose a solution that best meets their network and scalability needs.

TMS Server

TANDBERG EXPERTS SUPPORT TMS DEPLOYMENT AND TRAINING. GET THE MOST FROM YOUR INVESTMENT WITH PROFESSIONAL SERVICES. VISIT WWW.TANDBERG.COM

MANAGEMENT

- Complete management of on-site and remote video systems, including statistics, directories, booking and software updates
- Intuitive Web-based interface
- Manages network and video equipment from multiple vendors
- Manages calls made on multiple protocols (IP using H.323 and SIP, ISDN, V.35 and mixed calls)
- Manages endpoints, MCUs, network infrastructure, and gateways directly
- Supports automatic creation of phone books, including Active Directory and H.350
- Implements and manages automated software upgrades for video devices
- Easy mass configuration of systems

MONITORING/DIAGNOSTICS

- Detailed system and conference records
- Intelligent diagnostics enabling rapid response
- System summary page for fast access to most-used information
- Consolidated list of open tickets with links to recommended fixes
- Integrated Network Monitoring Support — Integrates with HP OpenView, IBM Tivoli®, NetCool® and any SNMP network monitoring tool
- Event notification prevents and minimizes negative service level

REPORTING

- Track all system usage and identify trends — packet loss, bandwidth usage, system auditing
- Call Detail Records and Statistics (CDRs)

SCHEDULING

- Scheduling or ad-hoc calling for video, audio, Web and data conferences
- Schedule conferences, book rooms and invite participants using Microsoft Outlook,® or IBM Lotus Notes®*

requires software option

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See: performance

MANAGEMENT
CONFERENCE CONTROL CENTER
Complete conference overview on one screen
Conference and participant connection control
Conference-by-conference and system-by-system
  management and information
SYSTEM UPGRADES
Automatic download of new software and corresponding
  release keys
Release key import and export
SYSTEM CONTROL
Phonebook access
Monitoring and reporting
Software upgrades
Initiate, extend and terminate conferences
Change video layouts
Volume control and audio mute/unmute
Microphone on/off
Edit local phone books
Send messages to systems
Detect illegal system configurations
Gateway CDRs from MPS
REMOTE SYSTEM SUPPORT
Phone book access
Software Upgrades
Statistics

LANGUAGE
English (US)
Russian
French
Korean
Japanese
Chinese (Simplified)
Supports over 22 languages for booking and scheduling

INTELLIGENT TICKET HANDLING
Automated ticket handling (open/close)
Ticket priority customization
Proactive system check-up prior to engaging scheduled meetings
Intelligent Trouble Ticketing Handling
Diagnostic messages and solution suggestions
System status, gatekeeper status, SNMP configuration,
  ISDN/IP configuration and information

INTEGRATED NETWORK MONITORING SUPPORT
Integrates with HP OpenView, IBM Tivoli®, NetCool® and any
  SNMP network monitoring tool

TMS AGENT
Supports TMS Agent option for large scale provisioning
  of TANDBERG Movi and TANDBERG E20

PHONE BOOK SERVICES
Corporate directory enables multiple phone books and
  folders, browsing and searching from the endpoint
Supports server based TANDBERG, Polycom phone books,
  and H.350 white pages
Centrally-managed server phone books
Creation of one or multiple phone books
Search unlimited entries
Supports hierarchical phonebook structure for easy look-ups
Automatic directory import from gatekeeper, ILS and LDAP
  (single or multiple source)
Supports over 10 methods of automatic creation of phone
  books, including Active Directory and H.350
Create, edit, import and export phone books
Automatic application of national and international dialing rules
Automatic identification of ISDN/IP numbers
Automatic insertion of gateway (GW) prefix, area codes
  and country codes

ACCOUNT MANAGEMENT, SECURITY AND PERMISSIONS
FTP audit log from TANDBERG endpoints and MCUs
Flexibility to limit access to TMS features and limit
  access to endpoints
Definition and management of user profiles
Multiple security permissions
Single sign-on authentication of users using
Windows® authentication

TEMPLATES/PROVISIONING
Customized template creation, management and
  distribution to systems
Selectable audio, video, network and bandwidth settings
Mass Deployment with automatic configuration from TMS
Ability to create persistent setting templates that can
  be proactively enforced on systems
Supports efficient and easy deployment of FindMe URI
  addresses to users

BACKUP
Capability to perform daily configuration restores, ensuring
  systems begin the day with the proper configuration
Backup system settings
Restore lost settings

MONITORING
GRAPHICAL MONITORING
Map monitor with graphic display
Customizable background images
Graphical display of call and system status

EVENT NOTIFICATION
Event Notification can be integrated into any SNMP Network
Management system (e.g., HP Openview and IBM Tivoli)
E-mail notification to individuals or groups
Event logging including boot, link down/up, connect error,
  call connected/disconnected, lost response/got response,
  Downspeeding, upgrade start/finish scheduling, gatekeeper
  registration, low battery, wrong password alert

BILLING INFORMATION
Flexibility to use billing and account codes
Full call detail records including billing or account codes
  for cost analysis or accounting

CALL DETAIL RECORDS (CDR) AND STATISTICS
Supports CDR capturing from Endpoints, MCUs, Gatekeepers
  and Gateways
Call detail records on screen or in native Excel format
Graphical display of call detail data
Support for multiple reporting formats: Onscreen, PDF or HTML
Number of incoming and outgoing calls
ROI Calculator
Call date and duration
Bandwidth usage
Network type
Number/address called
Statistics in data, graph and chart format
Number of scheduled conferences per person
Network, gatekeeper and ISDN inter face
Authentication failure
Error statistics
Battery status

CALL ROUTING
Ability to support Best Impression Cascading and Least
  Cost Cascading
Automatic call routing on IP and ISDN
Least cost call routing on IP and ISDN
Automatic MCU, gateway and network selection
Supports MCU cascading, V.35, SIP, H.323, and H.320

SCHEDULING AND BOOKING*
SYSTEM BOOKING
Book system and meeting room simultaneously
Book recurring meetings and video resources
Create, password protect, edit or delete booked conferences
Add Web or data conference to meetings
Add/remove participants from reservation or
  connect/disconnect participants during conferences
Connect conferences ad-hoc or pre-schedule connection
Reserve resources for dial-in participants
  (telephone or video on ISDN or IP v.4 or IP v.6)
Schedule point-to-point conferences or bridged meetings
Lock conference, preventing new participants from joining
Invite participants by e-mail
Customize meeting names

SCHEDULE OVERVIEW
Overview of scheduled meetings, resources and participants
Real-time over view of meeting status

WEB AND DATA CONFERENCING
Integrated scheduling of WebEx conferences with video
  system booking
Create a data conference for participants to share applications
  and edit documents (Supports WebEx, Microsoft Live Meeting
  and TANDBERG See & Share)
An e-mail invitation is generated, enabling conference
  participants to link to the Web conference

INTEGRATION WITH MICROSOFT
EXCHANGE SERVER
Ability to schedule conferences, book rooms and invite
  participants using Microsoft Outlook
Requires Microsoft Exchange Server 2003 or 2007

INTEGRATION WITH IBM LOTUS DOMINO® SERVER
Ability to schedule conferences, book rooms and invite
  participants using IBM Lotus Notes and Lotus Sametime
Requires IBM Lotus Domino Server V6.x running on
  Microsoft Windows®

REDUNDANCY SUPPORT
Application Redundancy
Database Clustering

REQUIREMENTS
TMS SERVER (MINIMUM REQUIREMENTS)
1 GB RAM
Pentium 2 Ghz or higher Pentium compatible CPU
Microsoft Windows 2003 Server running the latest Service
  Packs with Internet Information Services, Microsoft Windows
  2008 Server (32 bit) running the latest Service Packs with
  Internet Information Services, Microsoft .Net Framework
  version 3.5
TMS CLIENT REQUIREMENTS
Internet Explorer 6.0 or later, Firefox 2.0 or later, Java Virtual
Machine Runtime Engine (JRE) 1.5.0 or later
*SEE&SHARE SERVER REQUIREMENTS (IF INSTALLING
SEE&SHARE OPTION)*
Pentium I 500 MHz
Microsoft Windows 2003 Server or Micorsoft Windows XP
256 MB RAM
20 MB of available disk space for services
SEE&SHARE CLIENT REQUIREMENTS
Internet Explorer 6.0 or higher

SOFTWARE OPTIONS
Microsoft Exchange Package
IBM Lotus Sametime Package
IBM Lotus Domino Package
3rd party booking API for customized integration
Network Integration Package (supports Cisco® IP/VC 3540,
  Polycom® MGC (Accord) MCU, RADVISION vialP MCU
  and others)

* TMS includes TANDBERG Scheduler

*All specifications subject to change without notice,
system specifics may vary.*

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TANDBERG MANAGEMENT SERVER

PROCESSOR & MEMORY
Intel® Pentium® 4 LGA775 CPU (Max. Intel® Pentium®
 4 LGA775 CPU (Max. 3.6GHz with 800MHz FSB
 and 1MB Cache)
240-pin DIMM x 2, support Max. 2GB DRRII 400/533 memory

BIOS
Award System BIOS
Support Console redirection
Support Power on after power fail as the BIOS option
By-pass enable/disable as the BIOS option

PCI EXPANSION
On-board 32bit/33MHz Mini PCI Socket x1 (Master)

STORAGE
IDE 3.5" HDD x 1 (Stand Type) or IDE 3.5" HDD x 2 (Slim Type)
SATA 3.5" HDD x1 (Stand Type) or SATA 3.5" HDD x2 (Slim Type)
On-board Compact Flash Socket (Primary Channel)

COOLING SYSTEM
On-board 40 x 40 mm fan x 2
System 40 x 40 mm fan x 2 at Rear

ETHERNET
Marvell 8053 x 4 (PCI Express x 1): & #28; Copper (Base T,
  RJ45 with LED) GbE port x 4 (1, 2, 3, 4) & #28; LAN 1 & 2
  support by-pass function

SYSTEM CONTROL AND INDICATOR
Power LED x 1 at Front
HDD Active LED x 1 at Front
AT Power Switch x 1 at Rear

SYSTEM I/O INTERFACE
COM port x 2 (Front x 1, Rear x 1)
USB 2.0 port x 4 (Front x 2, Rear x 2)
GPIO: 4 in 4 out
Optional 16 x 2 characters LCD Module with keypads
  through PIO Interface

ENVIRONMENTAL DATA
Operating temperature: 0°C to 40°C (32°F to 104°F)
Relative humidity: 10% to 90%
Storage and space in transport temperature: -20°C to 80°C
  (-4°F to 140°F) non-condensing

POWER
100-240 VAC, 50-60 Hz, 250W max

PHYSICAL DIMENSIONS
Height: 1.7" (44mm)
Width: 16.8" (426mm)
Depth: 16.4" (419mm)
19" rack-mountable,
  1U height

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See: performance