



系統管理



監控、診斷和報告



個人視訊通訊



預約排程

# TANDBERG Management Suite

一套網管平台就能滿足您視訊通訊所有的管理需求——這就是TANDBERG Management Suite(TMS)。不論是網內或是遠距視訊網路，TMS都能提供透明化的網管功能。不僅易於擴充和使用，而且還能與現有網路環境和其他廠牌設備整合，提高您在視訊網路上的投資報酬率。

在購買TANDBERG Management Suite時，您可選擇購買軟體程式產品，或是選擇預先安裝於伺服器上。藉此，您可依照您的網路和擴充需求，做出最適合的購買方式。



TMS Server

## 管理

- 可管理範圍涵蓋網內外的視訊系統，管理項目包括：各項統計、目錄、預約和軟體更新等
- 直覺易懂的網頁式管理介面
- 可管理其他廠牌的網路和視訊設備
- 支援各種通信協定的通話(包括：H.323的IP、SIP、ISDN、V.35及上述組合)
- 可直接管理終端機、MCU、gatekeeper及開道器
- 支援電話簿自動產生服務，包括Active Directory和H.350
- 提供自動軟體更新服務
- 簡化大規模的系統配置

## 監控/診斷

- 記錄每一個系統和每一次通話的詳細資料
- 提供智慧型診斷服務，提升網管服務效率
- 提供系統摘要，迅速掌握常用資訊
- 綜合並開放各項更新程式鏈結，以清單方式建議用戶使用
- 整合式網管支援——可與HP OpenView、IBM Tivoli、NetCool®及任何SNMP網管工具整合
- 能在事件發生時立即通知網管人員，藉此確保服務水平

## 報告

- 追蹤所有的系統使用狀況，並據此預測趨勢——封包遺失、頻寬佔用、系統稽核等情形
- 預約排程
- 支援以預約或ad-hoc方式進行視訊、音訊、網站和數據會議
- 可利用Microsoft Outlook®、IBM Lotus Notes®、或Datacraft Hospital Suite來排定會議、預約會議室、及邀請與會人士

\* 需另購軟體套件

TANDBERG專業人員能夠協助您進行TMS配置和相關的教育訓練，藉由我們的專業服務，您的投資將會發揮最大的效益。詳情請上WWW.TANDBERG.TW。

## 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 (requires TANDBERG Video Communication Server X4.1)

## 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  
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

## 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 2000 or 2003

### OFFICE COMMUNICATOR

Ability to launch ad-hoc and multipoint calls via Office Communicator  
Requires Microsoft Live Communications Server 2005

## 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 2000 or 2003 Server running the latest Service Packs with Internet Information Services

### TMS CLIENT REQUIREMENTS

Internet Explorer 5.5 and above or Firefox browser  
1.5 or higher

### SEE&SHARE SERVER REQUIREMENTS

#### (IF INSTALLING SEE&SHARE OPTION)

Pentium I 500 MHz  
Microsoft Windows 2000, 2003 or XP operating system  
256 MB RAM  
20 MB of available disk space for services  
**SEE&SHARE CLIENT REQUIREMENTS**  
Internet Explorer 5.5 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 DDRII 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



## TANDBERG

# Management Suite

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