

# NEC Sphericall

## The IP PBX for Service Oriented Architectures

### Feature-Rich IP Communications Solution

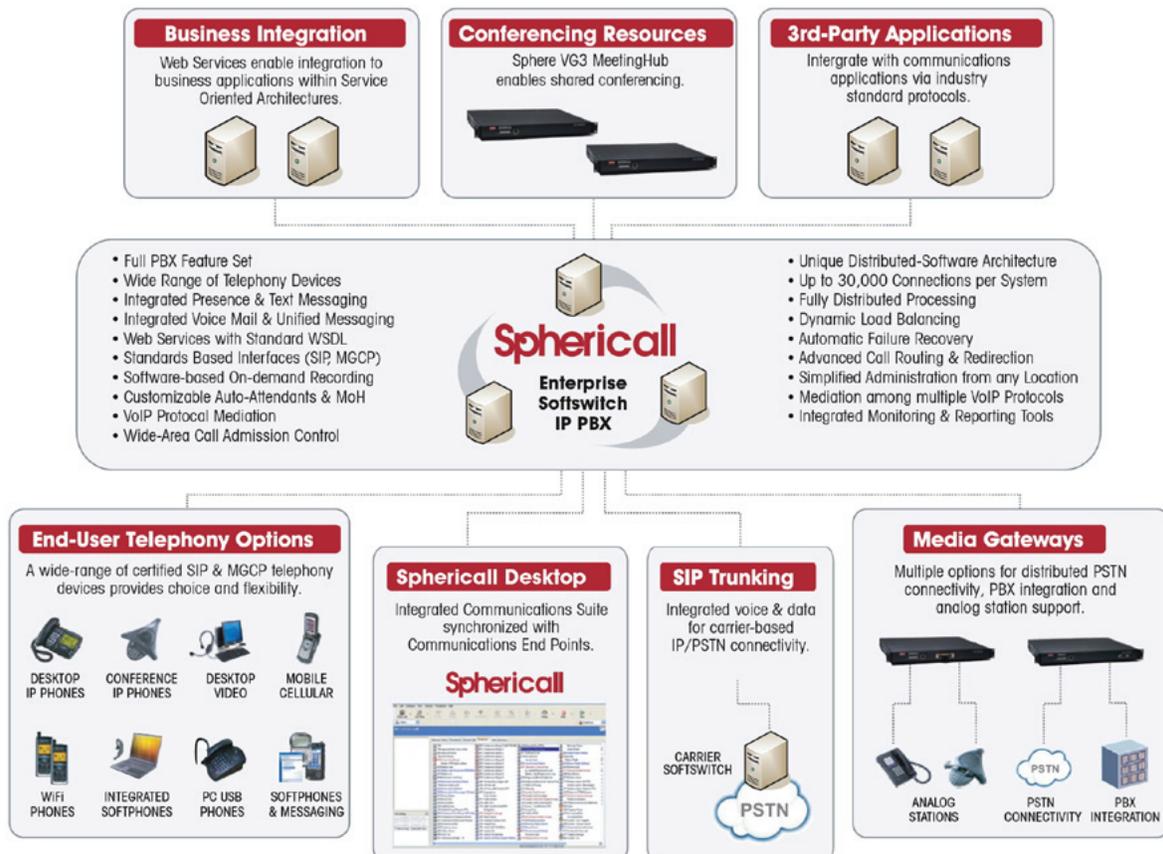
NEC Sphericall IP PBX is the only complete software-based enterprise communications solution designed to seamlessly integrate with your business.

Built upon a reliable foundation of rich PBX capabilities, Sphericall is a business application that gives you flexibility and choice in how you design your enterprise communications. At the core of the system, Sphericall is an advanced enterprise softswitch that forms a single, distributed IP PBX across your entire enterprise.

Through its unique software architecture, Sphericall provides call control and communications services independently of the industry-standard phones and related communications devices that it controls. Sphericall Desktop is an easy-to-use integrated communications suite providing all the communications tools end-users demand.

The result is an advanced proven enterprise communications platform that provides unmatched flexibility, reliability and scalability in an open system solution offering the lowest total cost of ownership.

### Flexible Open Architecture Adapts To Your Business Needs



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## NEC Sphericall IP PBX

### Release 6 Product Specifications

#### General Telephony Services

- Call Announce
- Call Transfer
- Call Coverage: Multi-Level, Follow Me, Conditional
- Call forward
- Call Hold
- Call Waiting
- Music-On-Hold
- On-Hold Reminder
- Dial-Out Authorization Codes
- Direct Inward Dial
- Direct Outward Dial
- Inbound Routing Schedules (Automatic)
- Message Waiting Indicators
- Multi-Party Conferencing
- Park Zones
- Pickup Groups
- Class Of Service Profiles
- Permission Lists: Allow / Disallow Specific Numbers
- Trunk Hunt Groups: Directional
- User Access Authorization Codes
- Automatic Route Selection (ARS)
- Call Recording (Optional)
- Call Admission Control

#### Voice Mail & Auto-Attendants

- Full-Featured Voice Mail
- Unified Email / Voice Mail Messaging
- Multiple Auto Attendants with Multi-Level Scheduling and Multiple Language Options
- Name Record and Directory Look-Up
- Normal and Extended Absence Greeting
- Return Calls from within Voice Mail

#### Departmental Call Center Features

- Call Distribution among Workgroups
- Station Hunt Groups: Round Robin, Linear, Ring All
- Call Queuing
- Screen Pop (CTI)

- Agent Pick Up / Park
- Presence Monitoring: Caller ID, Time on Call
- Call Recording (Optional)

#### Emergency Services

- 911 Location Groups
- Enhanced 911 Support for ISDN
- Emergency Numbers List
- On-Screen Emergency Call Notification
- Multi-Level Precedence and Preemption for Emergency / Critical Communications

#### Reliability Features

- Multi-Level Redundancy
- Load Balancing
- Automatic Fault Detection and Recovery
- Configuration Database Replication
- PSTN Re-Routing on Network Failure

#### Administration Services

- Class-Of-Service User Profiles
- User Group Zoning for Presence Monitoring
- IP Phone and Gateway Auto-Replace
- Telephony Area Dialing Rules
- Multi-Level User Security: Rights-Based Feature Access
- Trunk Testing: Automatic and Configurable
- System Maintenance Testing
- Trunk and Line Monitoring
- Auto-Assignment Of Outside Line Prefix
- Automatic Line and Extension Assignment
- Call On Hold Return Time Configuration
- Parked Call Return Time Configuration
- Transfer Return Time Configuration
- Data Import From Flat File Utility
- Digit Manipulation Rules for Outbound Calls: Add / Insert / Remove / Substitute
- Point-and-Click Moves / Adds / Changes
- Unlimited Service Classifications and Profiles
- Remote or Local Administration
- Security: Local PC, Network Level
- Security: Domain Level, Forced Login
- Telephony Area Rules: Configurable for Different Locations

## NEC Sphericall The IP PBX for Service Oriented Architectures

### Reporting and Data Export

- Call Accounting
- Call Detail Reporting
- Data Export: Originator ID, Receiver ID, Intended Receiver ID, Time, Duration, Outcome, Reason
- Inside Line Report
- Number Plan Report
- Outside Lines Report
- Phone List Export To HTML
- System Parameters Report

### Communication Web Services

- Web Services interfaces for integration of Sphericall to third-party applications.
- Complete SDK includes WSDL files and sample application source code for web browser and mobile PDA.

### Key Industry Standards Support

- SIP - RFC 2543 / 3261
- MGCP - RFC 2705 / 3149
- SIPConnect for SIP Trunking
- SIMPLE (Windows Messenger)
- TAPI 3.0
- DirectX 8.0
- SMDI
- TCP / IP / UDP
- DHCP
- FTP / TFTP
- SNTP
- RTP / RTCP
- SOAP
- XML

### Advanced Communications Features

- Onscreen Smart Directory
- Active Call Display Window
- Presence
- Instant Messaging (Sphericall Desktop and MS Messenger Clients)
- Desktop Video Conferencing (3-Way)
- Conference Participant Add/Drop
- Caller Picture Display
- Call Recording (Optional)

- Multi-Level Precedence and Preemption for Emergency/Critical Communications
- Softphone for Mobile and Remote Users
- Web Dial for one-click phone number dialing within Internet Explorer
- User Presence Status Monitoring
- User Notify When Idle

### Advanced Call Management

- Point & Click Call Management
- User-Defined Personal Profiles for intelligent call routing based on Caller ID, Presence, Time, Day
- Recent Calls List with Click-To-Redial
- Contact Search with Click-to-Dial
- Personal Phone Book with Folders and Import/Export
- Save Contact Details to Phone Book
- Multi-Line Permissions and Coverage for Receptionist/Admin Assistant
- One-Touch Hot Key Call Answer
- Auto-Answer Incoming Calls
- Return Calls within Voice Mail
- Distinctive Ringing
- Authorization PIN for Dialing from Restricted Phones
- User-Configurable Tool Bars
- Context-Sensitive Help

### Standard Telephony Features\*

- Caller ID Display
- Call Transfer (Attended or Unattended)
- Mute
- Hold
- Park/Unpark
- Do Not Disturb
- Transfer to Voice Mail
- Redial
- Incoming Call Indication with Caller ID
- Message Waiting Indication
- Missed Call Indication with Caller ID
- Multi-Party Audio Conferencing

## NEC SphericaII The IP PBX for Service Oriented Architectures

### Microsoft Outlook Integration

- Unified Email / Voice Mail Messaging
- Contact Screen Pop on inbound and outbound calls
- Contacts Search and Click-to-Dial
- Dial from MS Outlook
- Outlook Journal integration for automatic contact activity recording

### Server Requirements\*\*

- Microsoft Windows Server 2003
- Intel Pentium 4, 2.4 GHz or higher
- 1024 MB SDRAM or higher
- 80 GB ATA HD or higher
- 100 Mbps Ethernet recommended

\* Phone/device dependent.

\*\* Contact NEC Sphere for information on multi-processor configurations

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Specifications subject to change without notice.

U.S. Patent Nos. 5,892,764 and 6,735,208. Other U.S. and foreign patents pending.