

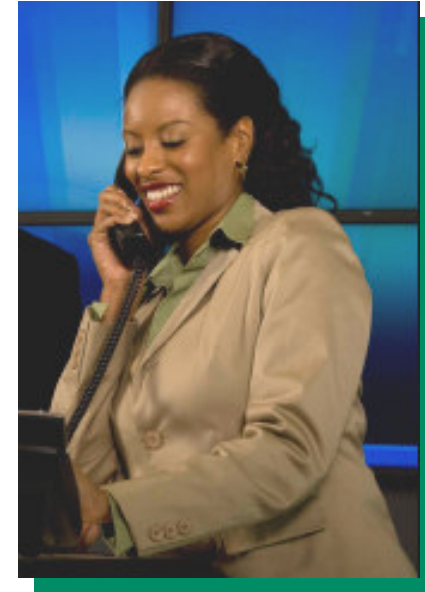
# **UNIVERGE® SV8100**

## **Communications Server**



# What Small-to-Mid-Size Businesses Require...

- Communications solution that is:
  - Scalable
  - Reliable
  - Seamless between branch offices or remote locations
  - Secure with a high-level of Quality of Service
  - Customizable to meet businesses and individuals needs
- Simple and secure end-to-end communications management
- Protection of technology investment
- IP ready or clear migration path to pure IP
- Integration of different devices and communication applications
- Advanced productivity applications and collaboration tools
- Easy-to-learn & use interfaces/applications
- Streamlined business processes
- Ability for staff/customers to reach the right resources the first time
- Quicker access to communications



# What NEC Offers...

## UNIVERGE® SV8100 Communications Server

- Scalable, reliable & full-featured communications solution to meet a growing business's needs
- Converged communications – data, multimedia & voice over one network
- Enhanced management
- Investment protection
- Offers pure IP with flexibility to support TDM - providing a clear migration path
- Support of customizable advanced productivity applications & collaboration tools that are easy to access
- Easy-to-learn & use interfaces/applications
- Streamlined business processes
- Ability for staff/customers to reach the right resources the first time
- Security with a high-level of Quality of Service



# UNIVERGE® SV8100 Communications Server

**All-in-One System**



**Pure IP System  
Enabling TDM Configuration**

**Easy Setup**



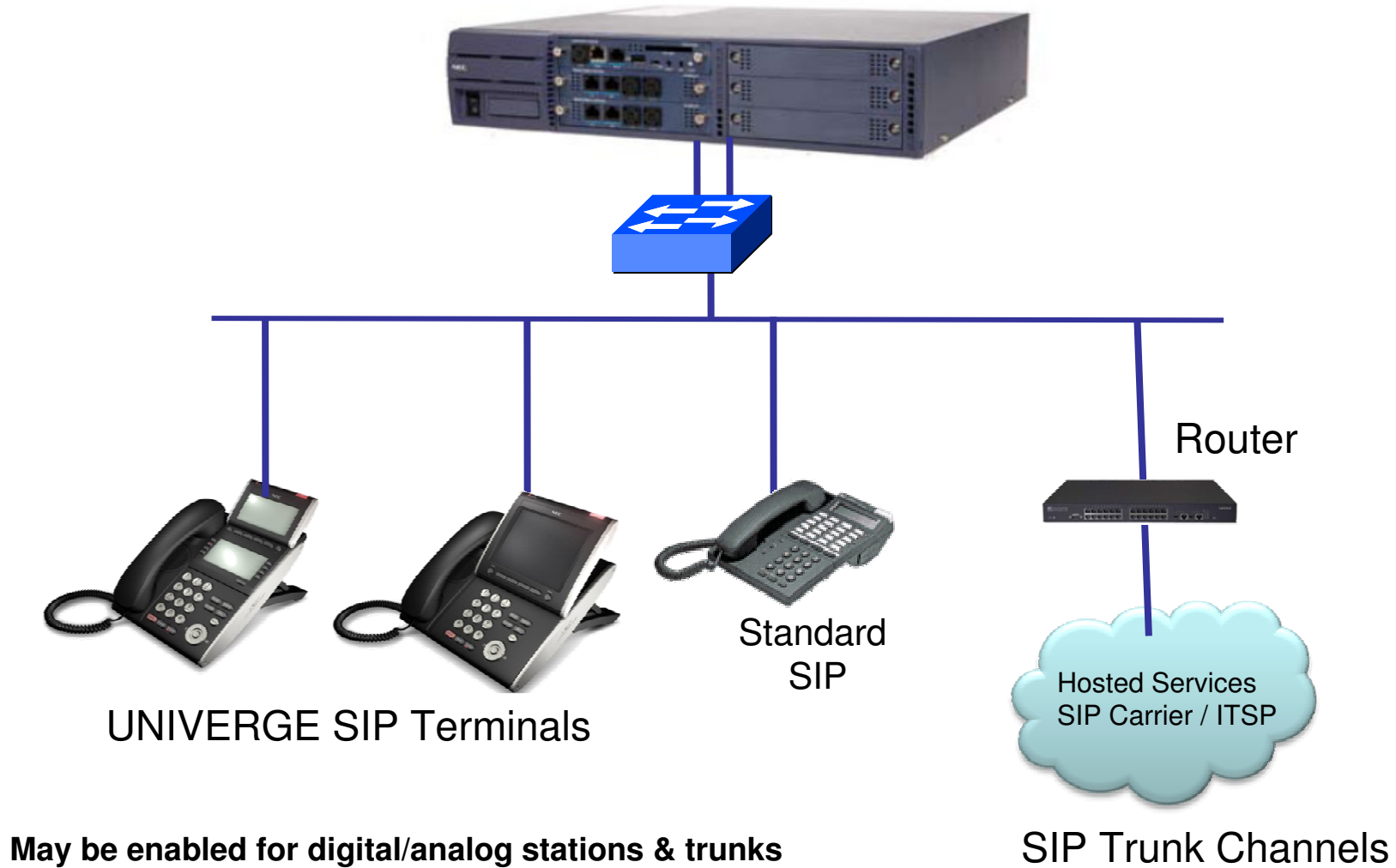
# UNIVERGE® SV8100 Communications Server

- Part of the SV8000 family of distributed pure IP/SIP systems
- Voice Mail, ACD & SIP applications are embedded or integrated on standard server hardware from anywhere in the network
- Seamless distribution across the network as a single image system
- Supports 512 IP stations/ 200 trunk ports
- Supports full range of new UNIVERGE Desktop IP Terminals & standard SIP phones
- Ability to TDM enable digital and analog stations
- Easily migrates to an SV8300



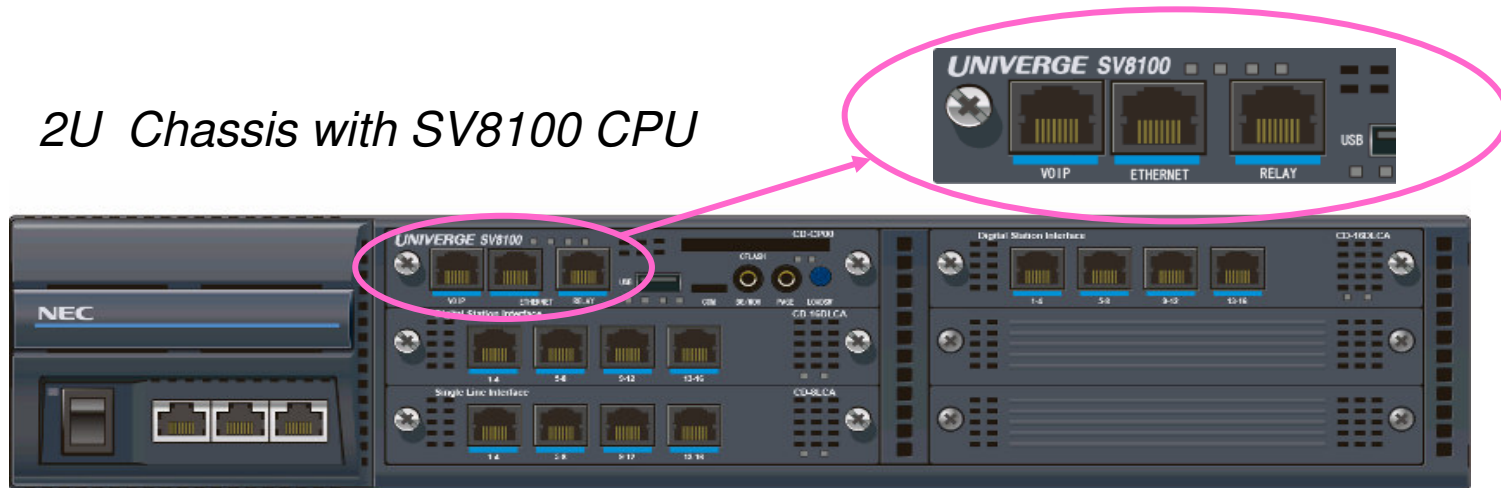
# Pure IP/SIP System

SV8100 Processor Supports IP & SIP

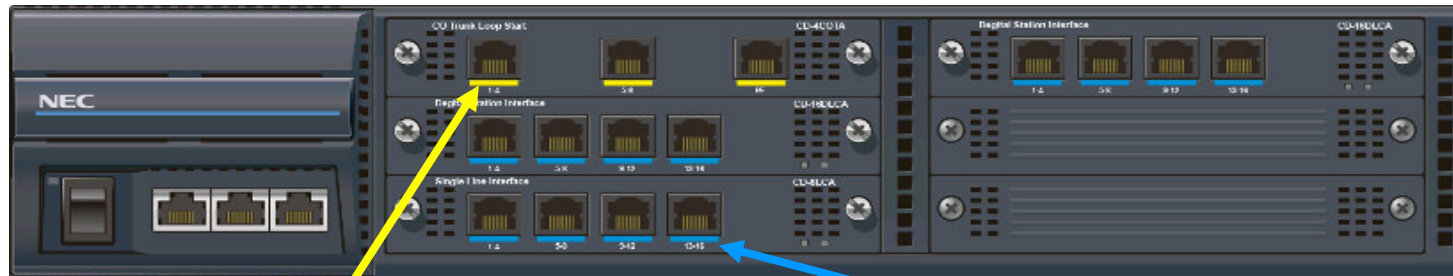


# System Hardware – SV8100 Chassis

*2U Chassis with SV8100 CPU*



*2U Chassis as an expansion*



Trunks - Yellow (lightning protection)

Extensions - Blue

***Color-coded for easy installation***

# PC Pro/Web Pro – Simplified Management

*Provides the information, tools, and flexibility to efficiently manage your terminals and simplify communications.*

- Program using:
  - **Standard View** - combines related settings on one screen, allowing quick setup of high-level tasks
  - **Wizards** - chronologically groups System Data & guide users during feature setup
  - **System Data** – represent SV8100 settings as per the categorization used by the main software
- Provides modification history - keeps a record of changes made to a database file
- Updates SV8000 Series systems automatically & remotely
- Offers problem solving, report generation & the ability to archive settings
- PC Pro provides secure direct connection
- Web Pro provides access from anywhere





# Modification History

Modification History - Windows Internet Explorer

C:\Program Files\SV8100 Application Suite\SV8100 PCPro\Reports\modHistory.htm

File Edit View Favorites Tools Help

Google G Go Bookmarks 21 blocked Check AutoLink AutoFill Send to Settings

Modification History

Date	Time	User Name	Access Level	Operation	Details
1	08/01/29	17:01:59	necii	Manufacturer Mode (MF)	Download LAN/IP, Dest 143.101.120.180, port 8000 System Data (All)
2	08/01/29	17:02:10	necii	Manufacturer Mode (MF)	Set Value PRG 22-02: Incoming Call Trunk Setup Item Trunk 03, Night Mode Mode 1, Incoming Call Type Value Old=Normal (0), New=DIL (4)
3	08/01/29	17:02:16	necii	Manufacturer Mode (MF)	Set Value PRG 22-07: DIL Assignment Item Trunk 02, Night Mode Mode 1, Extension/Department Group Value Old=106, New=111
4	08/01/29	17:02:50	necii	Manufacturer Mode (MF)	Upload LAN/IP, Dest 143.101.120.180, port 8000 System Data (All)
5	08/01/29	17:03:58	necii	Manufacturer Mode (MF)	Set Value PRG 15-07: Function Keys Item Extension 106, Function Key 02, Additional Data Value Old=104, New=102
6	08/01/29	17:03:58	necii	Manufacturer Mode (MF)	Set Value PRG 15-07: Function Keys Item Extension 106, Function Key 03, Additional Data Value Old=105, New=103
7	08/01/29	17:03:58	necii	Manufacturer Mode (MF)	Set Value PRG 15-07: Function Keys Item Extension 106, Function Key 04, Additional Data Value Old=107, New=104
8	08/01/29	17:03:58	necii	Manufacturer Mode (MF)	Set Value PRG 15-07: Function Keys Item Extension 106, Function Key 05, Additional Data Value Old=111, New=105
9	08/01/29	17:03:58	necii	Manufacturer Mode (MF)	Set Value PRG 15-07: Function Keys Item Extension 106, Function Key 06, Additional Data Value Old=113, New=106
10	08/01/29	17:03:58	necii	Manufacturer Mode (MF)	Set Value PRG 15-07: Function Keys Item Extension 106, Function Key 07, Additional Data Value Old=150, New=107
11	08/01/29	17:03:58	necii	Manufacturer Mode (MF)	Set Value PRG 15-07: Function Keys Item Extension 106, Function Key 08, Additional Data

Done

My Computer 100%



# Wizard Screen

The screenshot shows a software wizard window titled "Call Forwarding" with a menu bar (File, View, Programming, Communications, Tools, Help) and a toolbar. The main area is divided into two sections: "11-10: Service Code Setup (for System Administrator)" and "11-11: Service Code Setup (for Setup/Entry Operation)".

**11-10: Service Code Setup (for System Administrator)**

06 - Set Trunk to Trunk Transfer per Trunk	<input type="text" value="733"/>
07 - Cancel Trunk to Trunk Transfer per Trunk	<input type="text" value="734"/>
08 - Set Trunk to Trunk Transfer Destination per Trunk	<input type="text" value="735"/>
18 - Call Forward Off-Premise by Doorphone	<input type="text" value="722"/>


**11-11: Service Code Setup (for Setup/Entry Operation)**

01 - Set/Cancel Call Forward Immediate	<input type="text" value="741"/>
02 - Set/Cancel Call Forward Busy	<input type="text" value="742"/>
03 - Set/Cancel Call Forward No Answer	<input type="text" value="743"/>
04 - Set/Cancel Call Forward Busy/No Answer	<input type="text" value="744"/>
05 - Set/Cancel Call Forward Both Ring	<input type="text" value="745"/>
07 - Set/Cancel Call Forward Follow-me	<input type="text" value="746"/>
08 - Set/Cancel Do Not Disturb	<input type="text" value="747"/>
45 - Set/Cancel Call Forward All Calls Split	<input type="text"/>
46 - Set/Cancel Call Forward Busy Split	<input type="text"/>
47 - Set/Cancel Call Forward No Answer Split	<input type="text"/>
48 - Set/Cancel Call Forward Busy/No Answer Split	<input type="text"/>

The interface includes a "Wizards" sidebar on the left with a tree view of configuration categories, a "View page in wizard" dropdown menu, and navigation buttons (Back, Next, Apply, Cancel) at the top right. The status bar at the bottom shows "User: necii (MF)", "Site:", "File Ver: SV8100", and "KTS Ver: [ ]".

# Updates

**Firmware Update**

Firmware File  

CPU Feature License Version is V48000

**Schedule Update**

Immediately after upload

At the time...

Date

January 2008						
S	M	T	W	T	F	S
30	31	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	1	2
3	4	5	6	7	8	9

Time

Current Date/Time on KTS  
1/29/2008 4:52:16 PM

**Firmware File**  
Select the firmware file to upload to the KTS. The file will be copied to the onboard compact flash card.

**Schedule Update**  
Schedule the date and time when the CPU will switch over to the new firmware.

Immediately after upload	With this option, the CPU will switch over to the new firmware immediately after the upload is complete.
At the time...	The CPU will switch over to the new firmware at the specified date and time.

Note: The time you specify should be relative to the time on the KTS, not the PC.



# Communications Require Even More Flexibility

- Extend the workspace beyond traditional desktop limitations
- Speed access & improve communication
- Integrate different device modes & communication applications
- Dramatically improve collaborations
- Increase productivity and efficiency
- Streamline business process, reach the right resources the first time, & enhance profitability



# UNIVERGE® Desktop IP & Digital Terminals

- Scalability & customization through modularity
- User accessibility to profile & quality of service settings from any IP terminal
- Advanced applications & collaboration tools delivered directly to the desktop
- Integration of business & communication systems
- Easy-to-use, intuitive interfaces
- Bluetooth® Hub Adapter option allows users to pair peripheral equipment such as mobile phones, PDAs, headsets, conference units or keyboards with terminal
- Investment protection – ability to modify & customize terminals as your business & needs grow



# UNIVERGE® DT700 Series Desktop IP Terminals



**DT750 IP Terminal with  
Color Touch Screen LCD**



**DT730 IP Terminal –  
DESI-less**



**DT730 IP Terminal –  
24 LK w/Wireless Handset**



**DT730 IP Terminal –  
32 Line Keys**



**DT730 IP Terminal –  
24 Line Keys**



**DT710 IP Terminal –  
6 Line Keys**



**DT710 IP Terminal –  
2 Line Keys W/O LCD**



# UNIVERGE® DT300 Series Desktop Digital Terminals



**DT330 Digital Terminal –  
DESI-less**



**DT330 Digital Terminal –  
32 Line Keys**



**DT330 Digital Terminal –  
24 LK, w/Wireless Handset**



**DT330 Digital Terminal –  
24 Line Keys**



**DT330 Digital Terminal –  
12 Line Keys**



**DT310 Digital Terminal –  
6 Line Keys**



**DT310 Digital Terminal –  
2 Line Keys W/O LCD**



# Terminal Features





# Add-On Options

(Existing & Future)

8 Line Key Module



60 DSS Console



Bluetooth Wireless Handset Module



DESI-less Line Key Module



DESI-less Console (Future)



# UNIVERGE® DT710 & DT310 Terminals

**DT710(6LKIWHIBK)**

**DT310(6LKIWHIBK)**



**DT710(2LKIWHIBK)**

**DT300(2LKIWHIBK)**



## • User Types

- Office Administrator
- Workshop Employee
- Public User

## • Main Features

- New Cosmetic Design
- Gray Scale LCD
- 6 Line Keys w/ LCD
- 2 Line Keys w/o LCD
- Multi-color Message Waiting Indication
  - Digital – 3 Color
  - IP – 7 Color
- XML Open Interface Support (IP-6 LK Only)



# UNIVERGE® DT730 & DT330 Terminals

12 Line Keys w/LCD



## • User Types

- Team worker
- Office administrator

## • Main Features

- New Cosmetic Design
- XML Open Interface Support (IP Only)
- Full-Dot Grayscale Backlit LCD
- Backlit Dial-Pad
- Full Duplex Speakerphone
- Menu/Soft Key Operation
- 12/24/32 Line Key Options
- 60 DSS Console
- Security key (IP Only)
- Multi-color Message Waiting Indication
  - Digital – 3 Color
  - IP – 7 Color

# UNIVERGE® DT730 & DT330 Terminals

BT WL Handset w/60 DSS Module



# UNIVERGE® DT750 IP Terminal



## • User Types

- Executives
- Secretaries
- Team Worker
- Operator

## • Key Functionality

- New Cosmetic Design
- Color-LCD w/ Touch Screen
- XML Open Interface Support
- Backlit Dial-Pad
- Full Duplex Speakerphone
- Menu/Soft Key Operation
- Security Key
- Add-On Modules
  - Bluetooth Handset
  - 8 Line Key Module
  - 60 DSS Console
- Multi-colored Message Waiting indication (7)



# UNIVERGE® DT750 IP Terminal

Color LCD Touch Screen w/Wireless Handset & 60 DSS Module



# Color Options

**Default Setting**



Standard Configuration

**Downloadable**



*Future Release*



Silver (Standard)



Blue



Red



Clear



Wood



**Side Panel Color Options**



# Desktop Suite – SP310 Soft phone

- ***Places a full-featured desktop phone on a user's PC -***
  - Users can make and receive calls via their PCs
  - Connect to your business's network through any high-speed connection to check voicemail and place calls while online from any location – like taking your desk phone with you
  - Can be set-up to send calls from the PC's Soft phone to the user's desktop terminal & provides all the same feature functionalities
  - Decreases desktop expense through the purchase of fewer hardware terminals
  - Enhances customer satisfaction by providing more mobility to employees
  - Improves employee productivity by permitting alternate work environments
  - Lowers the cost associated with turnover by increasing location options

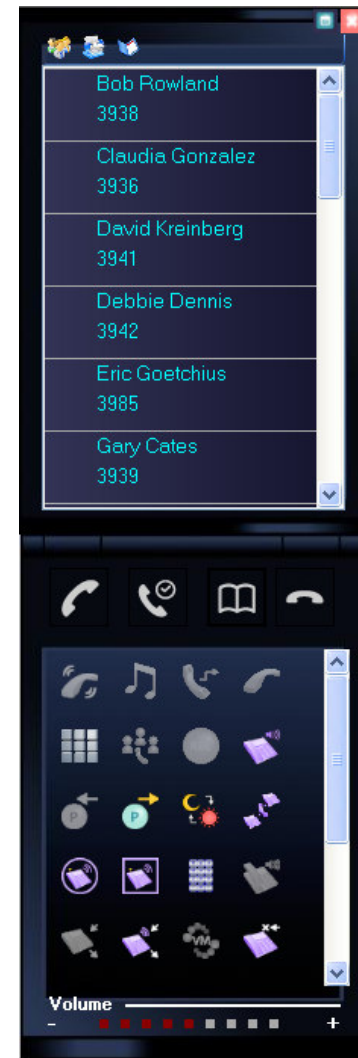




# Soft phone



*Expanded View*



*Compact View*



# Communication Analyst

- ***Easy to use, graphically oriented software package that captures, monitors & analyzes phone calls & trunk usage for single or multiple locations***
- ***Document and understand usage to optimize trunk capacity & cut costs***
- ***Track incoming and outgoing trunk calls (TDM and IP, & IP K-CCIS)***
- ***Scalable platform with easy license upgrades to add more locations & stations***



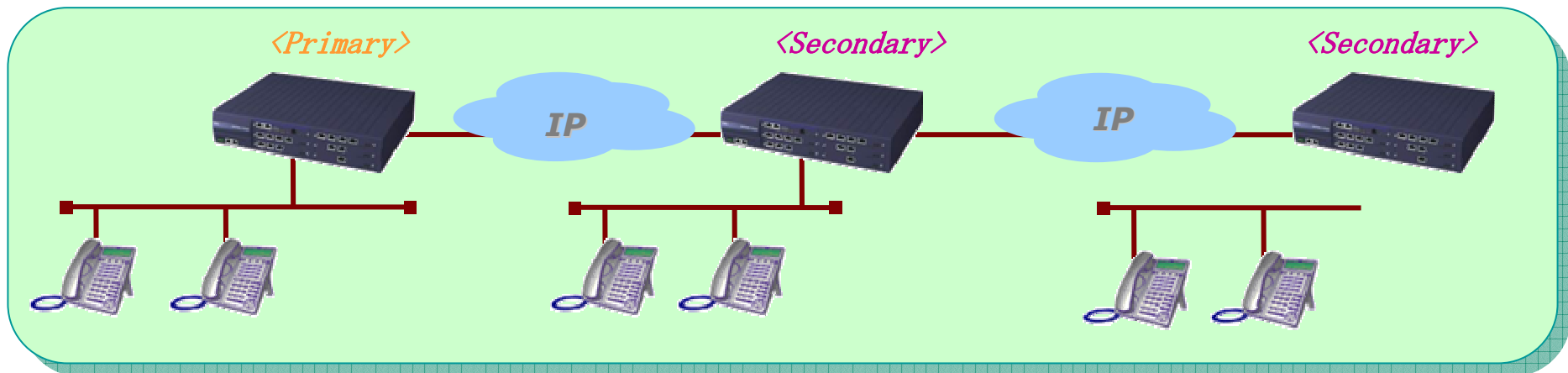
# UNIVERGE SV8000 Series Multimedia Conference Bridge

- ***Investment protection*** –
  - A flexible, in-house conferencing solution that eliminates the ongoing cost & security risks of hosting conference calls through an outside vendor
  - Deployable over Voip, traditional circuit-switched technology, or a combination of technologies
- ***Superb voice quality*** -
  - Delivers up to 16 channels for conferencing & provides DSP technology to deliver superb voice quality that is fully amplified & balanced
- ***Performs with or without a network*** –
  - When a network is not available, the Multimedia Conference Bridge can be used in Simple Mode which uses pre-configured passwords & conference durations



# NetLink System

- **Up to 16 UNIVERGE® SV8100 Communications Servers can be linked together over a Data Communication IP Network, acting as one system**
- **Resources & features are transparently shared between the Main Site & Remote Sites**
- **Systems can be installed separately in one building, or between remote offices via a qualified IP network**



- **Primary System**
  - **Single system configuration**
  - **Single point of maintenance**
  - **Single Voice Mail system**
- **Secondary System**
  - **Call routing controlled by primary System**



***NEC Unified Solutions next generation communication platforms provide a complete array of IP & TDM communications, & features enabling SMBs to:***

- Tailor communications to meet specific business needs
- Implement pure IP with flexibility to support TDM – providing a clear migration path
- Protect initial investment through scalability & modularity
- Increase productivity & efficiency through advanced applications & collaboration tools that are easy to access
- Develop & customize applications to address specific needs
- Improve the overall user experience through the easy-to-use, intuitive interfaces
- Integrate business & communication systems
- Provide security with a high-level of Quality of Service



# Thank You

