



UNIVERGE® SV8300 Communication Server
Fulfilling the promise of UNIVERGE® 360





Your business benefits

Increase productivity

Fully featured

The SV8300 Series gives users access to advanced telephony features that enhance their productivity, in addition to supporting many additional multimedia applications.

Value-added applications

A rich suite of advanced applications improves efficiency and business processes using voice, email, instant messaging, IP telephony, voicemail and video-conferencing.

Mobility

Mobility enables flexible working practices and allows users to work smarter. Collaboration tools will make your employees more productive and more responsive to customers' inquiries. Wherever users are located, they will be more accessible using IP phones, WLAN and web-based applications.

Manage growth

Scalable architecture

The SV8300 Series incorporates a very scalable, open architecture with almost unlimited networking capabilities; ideal for businesses needing just 25 to 50 lines as well as for those larger corporations that need thousands of lines. In fact, a group of independent SV8000 servers can be networked to handle up to 200,000 extensions. This unique expansion capability is essential in large businesses where geographic, technical and commercial change is continuous and with new offices and departments constantly emerging, growing and integrating.

Migration and networking

The SV8300 Series can network with your existing NEC and third party systems, so IP technology can be introduced gradually to protect existing investment.

Open interfaces

The system is also future proof. It uses a state-of-the-art open interface so new services and applications can be easily integrated - no matter how fast technology advances.

Reduce operating costs

Converged network

The SV8300 Series provides converged communications - data, multimedia and voice over one network, which means just one set of wiring costs. One network also consolidates traffic onto existing circuits, which allows you to leverage bandwidth and software applications. It provides a single, common management system for networked system, and can reduce long distance/ internal toll charges.

Server-based architecture

The SV8300 Series includes modular core and optional hardware and software components - all of which are server-based, so it fits seamlessly into your IT environment. The heart of the system is the IP communication server; which is based on a true Client-Server design that does not require the purchase of traditional hardware to support analogue stations or trunk circuits.

Central management

The SV8300 Series peripheral devices enable you to manage equipment in branch offices from one central location or from any web-enabled workstation. This eliminates the need for local network management staff and therefore reduces the total cost of network ownership.

Distributed office

A distributed office location environment reduces the operating expenses incurred in managing disparate equipment by consolidating them into one system. Staff can work remotely (on the road or at home) with access to all corporate voice and data resources; all of which means that you can increase your labor pool without the cost of adding office space.

Energy savings

Power consumption is less than any conventional enterprise communication platform or PBX system thanks to the SV8000 Series' state-of-the-art design.

Improve business continuity

High availability

The SV8300 Series offers unparalleled reliability and continues NEC's reputation for quality. The SV8000 Series is ideal for mission-critical situations such as defense, government and 24hr services. Advanced fault diagnosis, uninterruptible power supply, remote telephony survivability, clustered survivability, and many other fail-over capabilities all ensure the best availability and operational continuity in the industry.

Voice quality

High voice quality is achieved by optimizing specific functions in hardware and software. The high performance of the line-echo cancellation eliminates echo signals. Quality of Service parameters prioritize voice traffic and, depending on the individual communication channel, the appropriate voice volume level is automatically and centrally managed by the server.

Security

The SV8300 Series provides secure communications, including voice encryption, a variety of authentication methods, detailed audit logging, data integrity services and bandwidth management services

The growing trend
Five years ago less
than 10% of new
telephone lines were
IP or IP-enabled.
Since then that
proportion has grown
to 90%



The UNIVERGE SV8000 Series from NEC creates new ways of generating revenue and increasing customer responsiveness, while simultaneously improving efficiency and reducing costs. Designed to deliver next-generation, open standards-based solutions, it is your bridge to the future and protects your existing telephone infrastructure investment while providing a migration path to pure IP. With the SV8000 series, all types of communication methods are supported, whether TDM, IP, video, wired or wireless.

Small, medium and large businesses

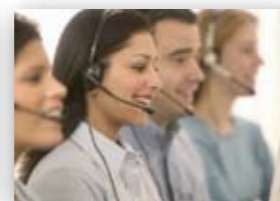
SV8300



Mobility
(IP) DECT
Voice over WLAN
Fixed Mobile Convergence



Management & Control
Moves-Adds-Changes
Expense control
Call Accounting



Reachability
Contact center
Voicemail + IVR
Calendar integration
Attendant/Operator



Unified Communication
Microsoft integration
Collaboration
Presence
Messaging



Connectivity
Multiple sites
VoIP SIP
Migration

Terminals & handsets for all your staff

Terminals & handsets

The SV8300 Series supports an extensive range of multifunctional IP and digital terminals and handsets that enhance the feature capabilities offered by the system while providing the service of conventional telephones over the

Upgradeability

As business expands, so do communication needs. Terminals should be able to grow with the business. Terminal modularity allows for over 8000 combinations to personalize each terminal to meet your specific business needs. There is no need to replace the entire terminal if you need new features. Instead, your initial investment is protected, and the terminal can be upgraded at minimal cost.



VoWLAN terminals

These are components within NEC's third generation Wireless LAN (WLAN) communications solution: UNIVERGE Assured Mobility. This solution comprises wireless controllers, access points, network management software, applications, and user devices such as the MH250 wireless IP phone.

Why UNIVERGE360?

The speed of business today is accelerating the need for increasingly rapid decision-making and faster customer responsiveness. But because of the number of different communications devices and the growth of information 'pockets', accessing people and information is more complex than ever. In addition, the mobility of employees and their changing work habits makes reaching them especially challenging.

UNIVERGE360 solves these problems by uniting all communication devices and the information within them – keeping everyone in the loop.

XML open interface support on IP terminals

XML open interface support enables developers to create displayable and accessible applications via NEC's IP terminals. The XML interface provides the user a way to integrate additional productivity tools on the desktop and improve efficiency. Applications such as calendar links, wallboards, call directories and countless others can be displayed through a terminal's LCD through the open XML interface.

IP DECT handsets

These handsets provide staff mobility with all the proven benefits of DECT technology such as seamless handover between radio cells, crystal clear voice transmission and secure encryption with no added wiring costs for installation.





Unified Communications

Powerful applications that improve business processes

NEC understands that today's businesses are looking for new ways to manage change more efficiently and retain customers through high quality service. The suite of powerful applications supported by SV8000 Series includes:

- Microsoft's® Office Communications Server (OCS)
- Management applications
- Personal communications environments
- Contact center tools
- Voicemail and Unified Messaging
- Cost control tools
- Advanced operator consoles
- IP multimedia softphone
- Virtual PC architecture and VoIP

Microsoft's Office Communications Server (OCS)

This application seamlessly integrates Microsoft Office with your telephone system. It provides presence awareness within the desktop, which eliminates delays in locating people, who can then communicate in real-time via Instant Messaging, Audio and Web Collaboration as well as video-conferencing. Remote users can also take advantage without requiring Virtual Private Networking. To keep things safe and secure, all transactions are encrypted so you can use IM services from MSN, AOL, or Yahoo!

In addition to OCS, you can also have full integration with Microsoft Exchange, which provides Unified Messaging and Outlook Voice Access to e-mail inboxes via any phone – the Auto Attendant ensures automatic call routing.

Management applications

A suite of user-friendly tools for easy communications system management, including configuration, cost reporting, budget control, and security. Because it is modular; we can assemble and design a package that fits your needs precisely.

Communication portal

Enable staff to be optimally productive wherever they choose to work – because now they can take their personal communications environment with them. They will have access to their personalized telephony and data environments via a single personal portal entry point.

Call centre

A contact centre tool that supports up to 500 agents. With features such as CTI, preview and power dialing, and automated e-mail responses, agents will always be able to expertly handle customer inquiries, whether they are via the web, e-mail, telephone, voicemail or fax.

Voicemail and Unified Messaging

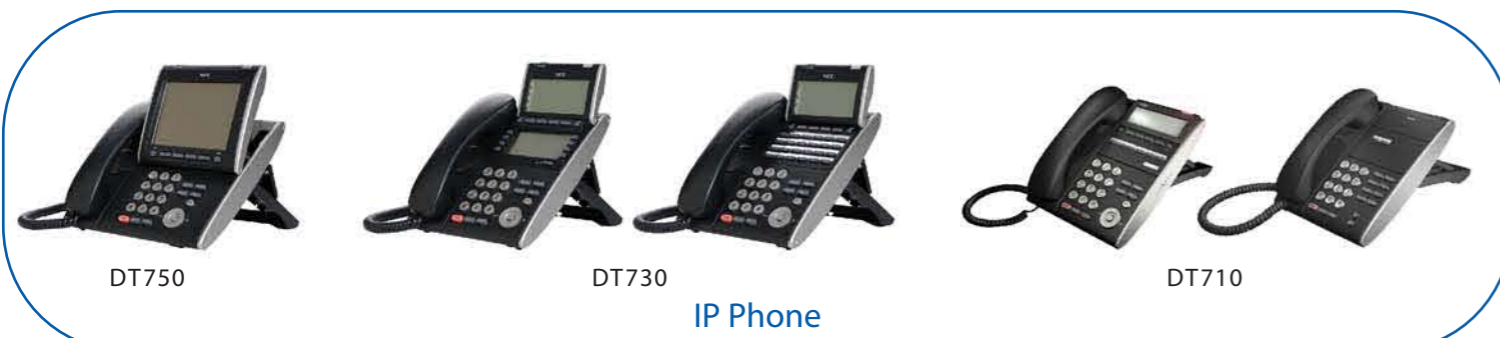
Powerful IP voicemail and Unified Messaging offer a solution that allows staff to receive e-mails on any phone using text-to-speech. Users can also record calls for later reference, and the intuitive visual interface helps staff prioritize messages and work more productively. And of course, the application's Unified Messaging integrates with Microsoft Outlook, Lotus Notes and Novell GroupWise.

Expense control suite

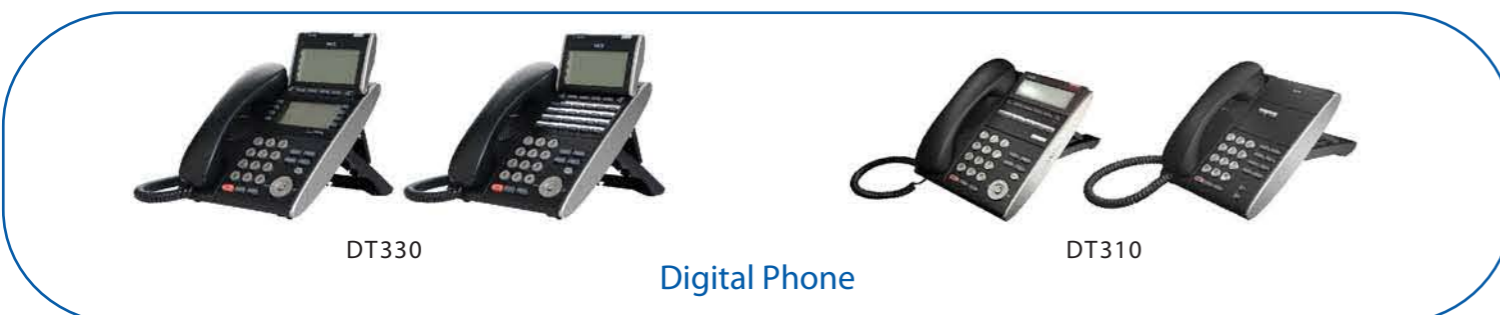
This fully web-based, modular suite of applications provides call accounting for all your voice calls including VoIP. You can set budgets for individuals, departments, projects, receive a warning when these are almost exceeded, and automatically restrict service class when a budget is exceeded.

Operator communications

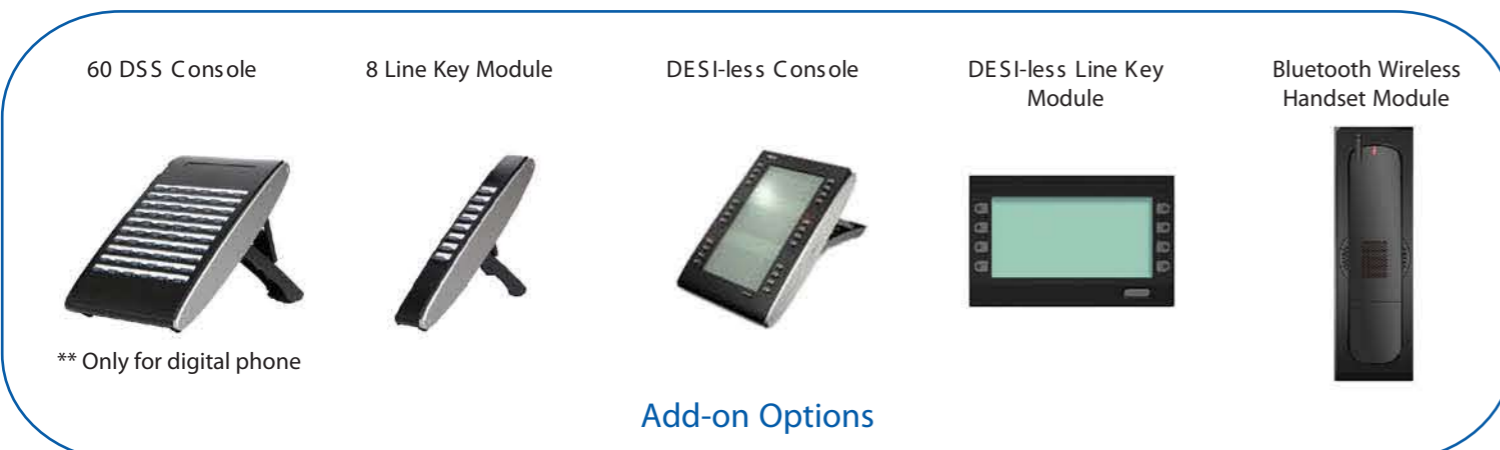
A PC-based operator console enables your receptionist to provide service that is vastly superior to using an ordinary console. For example, he or she can see and answer priority callers first, see who is on hold, and create multiple queues to differentiate callers. What's more, for optimum efficiency, he or she can see the extension status before callers are transferred.



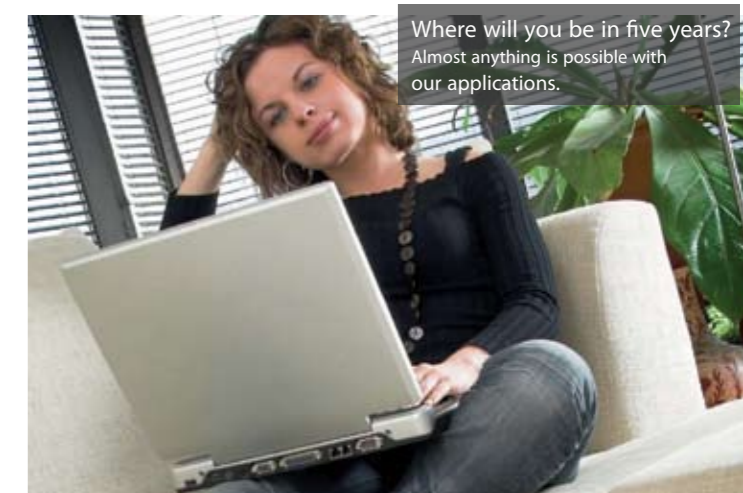
IP Phone



Digital Phone



Add-on Options



Specifications

Number of SV8300 Unit and Chassis	1 Unit			2 Units	3 Units	4 Units	System Max Stand Alone	System Max Remote Link		
	1	2	3							
Number of Physical Ports	108	216	324	648	972	1296	1296	2048		
Outside Lines										
IP Lines										
• IP Trunks (SIP) Channels	96						96	512	96	512
• IP Trunks (P2P) Channels	512						512		512	
Analog/Digital Trunks										
• Analog Trunks (COT)	48	96	144	288	432	512	512	512	512	
• E1/PRI Channels	93	186	279	496	496	496		496		
• BRI Channels	48	96	144	256	256	256		256		
Terminals										
IP Terminals										
• UNIVERGE DT700 Series	1024						1024	1536	1024	1536
• Dterm IP Terminals										
• Dterm SIP/WLAN										
• Softphone										
Digital Telephones										
• UNIVERGE DT300 Series	96	192	288	576	864	1152	1152	1536	1152	1536
• Dterm Series i Terminals										
Analog Telephones (Combination depends on power consumption of SLT terminals)										
• SLT (-24V)	96	192	288	576	864	1152	1152	1536	1536	1536
• SLT (-48V)	24	48	72	144	216	288	288			

Item	CPU Chassis	Line/ Trunk Chassis
Dimensions (W x D x H)	430mm x 400mm x 43mm (1U Size)	430mm x 400mm x 88mm (2U Size)
Weight	Approx. 5.0 kg. (when all slot occupied, however, no built-in battery included)	Approx. 8.2 kg. (when all slot occupied, however, no built-in battery included)
Input Power	AC 100V - 240V (Automatically adjusted)	
Operating Conditions	Ambient Temperature: 0 - 40 degree centigrade (When the ambient temperature will exceed this value during the holiday or the night, an air conditioner is required.)	
	Relative Humidity: Less than 90% (non-condensing)	

UNIVERGE360 is NEC's approach to unifying business communication. It places people at the center of communications and delivers on an organization's needs by uniting infrastructure, communications and business.



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