

UNIVERGE® SV8300 Communications Server



A powerful enterprise communications solution that supports advanced applications and is designed to easily scale to meet the needs of growing businesses



At a Glance

- Diverse features and applications that increase productivity and efficiency
- Increase customer satisfaction and lower expenses
- Support for green initiatives
- Seamless networking and business continuity
- Scalability for a growing business
- Support for VoIP and traditional voice
- Enhanced centralized management
- Investment protection

Overview

The UNIVERGE SV8300 Communications Server is a powerful enterprise communications solution that is reliable, scalable and energy-efficient. It is an advanced application server that supports voice, unified communications and mobility solutions, and is designed to easily and efficiently scale to meet the needs of growing businesses.

As a member of the SV8000 family of pure IP systems, the SV8300 offers medium-size businesses the latest unified communications, softphone, and file sharing technology while providing the capacity to expand up to 1,536 stations. The SV8300's IP and SIP support enables businesses to expand their communications globally.

The SV8300 unifies the enterprise through the high-efficiency technology that businesses require. It offers an extensive IP feature set including support for mobile/remote workers in a flexible, secure, environmentally-friendly package. The SV8300 is the ideal IP communications server for businesses wishing to compete on a higher level and grow over time.

The advanced unified communications support that the SV8300 provides, exemplifies and supports NEC's belief that an employee's role should define the technology used to communicate. By tailoring communications to the role, information is turned into knowledge, which enables employees to make informed decisions faster. As a result, businesses become more efficient, responsive and productive.

Solution

Improve Productivity and Efficiency through Powerful Applications

- **Unified Communications** which improve employee productivity and efficiency
- **Operator consoles** to ensure superior service to all callers
- **Contact Center** capabilities to improve overall customer service and satisfaction
- **IP multimedia softphones** which integrate communications into the computing environment to eliminate the need for a physical phone and extend the desktop around the world
- **Voicemail and Unified Messaging** which allows employees to receive all messages in one inbox

- **Single number reach** that allows employees to be reached anytime, anyplace with a single phone number and voicemail box
- **Centralized management applications** which makes moves, adds and changes of phones quick and easy
- **Expense Management** tools that effectively manage IT operations and services
- **UNIVERGE DT700/DT300 Series Desktop Terminals** which provide an extensive feature set, XML application support and a revolutionary modular design
- **UNIVERGE mobile wireless LAN handsets** that can significantly improve users accessibility, productivity and responsiveness by providing them the ability to roam from one business area to another
- **IP and digital DECT mobile handsets** provide a more flexible work environment by delivering on-site wireless telephony through the superior quality of the well established Digital Enhanced Cordless Telephone (DECT) technology

Increase Customer Satisfaction and Lower Expenses

The SV8300 enables a business's customers to reach workers wherever they are. It extends communications to branch and remote offices simply and cost-effectively. It supports a number of NEC's mobility-enhancing tools (i.e. mobile clients for smartphones, fixed mobile convergence, softphones, Find-Me/Follow-Me plus more...) that empower users to be productive - whether they are at their desks or have stepped away.

For mobile and remote workers, simultaneous ringing of a user's mobile and desk phone ensures that important calls will never be missed. Standard desk phone functionality – Caller ID, Call Hold, Call Transfer and Busy/No Answer calls that go directly to system voicemail – enables users on their mobile phones to handle calls more easily. With the SV8300, individuals, departments and locations can work more efficiently by communicating seamlessly in real time.

Support for Green Initiatives

The SV8300 is an ecologically sound, compact system that uses up to 63.7% less power than previous generations of IP communication servers. NEC paid special attention to its environmental impact and delivered a RoHS compliant system that includes:

- Reduced air conditioning requirements for the server
- Recyclable materials and components that use environmentally safe chemicals

- Elimination of lead and mercury in circuit boards
- Documentation provided in electronic format rather than paper booklets

Seamless Networking and Business Continuity

Designed to be both versatile and scalable for a growing business's needs, the SV8300 supports IP, TDM, video, and wired or wireless communications. Its reliability, along with the availability of redundant CPU blades, ensures business continuity. Its resources and features can be transparently shared between branches or remote locations by networking SV8300s or linking SV8300s with other NEC systems including UNIVERGE SV8100 and SV8500 platforms.

NEC's UNIVERGE SV8300 Remote Link uses a business's IP network to provide a seamless connection and to join up to forty-seven SV8300 communications servers together as if they were a single system. Businesses can extend features residing on their primary system to secondary system locations with no incremental cost. This capability cuts the number of licenses required to keep their business running.

With Remote Link, a business's primary system retains the main database and controls the secondary communications servers. Businesses can access any extension in the network as if they were located in the same location they're contacting. All locations can even share a single operator, voicemail system, Contact Center and desktop applications - which saves time and money.

Remote Link also offers failover capability to ensure an organization can run smoothly even if their primary system goes offline. If their primary system is disconnected from the network, failover engages and a secondary system takes over the primary system's database. That way, all of an organization's linked locations continue functioning seamlessly.

Investment Protection

For existing customers, NEC has developed an easy way to transition existing NEAX® 2000 IVS, IVS2 or IPS systems into a full-featured IP communications system that supports advanced business productivity applications. This protects our customer's initial investment and extends the life of their current voice infrastructure.

The SV8300's architecture accommodates and supports our customer's pre-existing system equipment and telephones while offering an extensive IP feature set in a flexible, scalable secure package.

Since the NEAX 2000 systems have all reached End-of-Life/End-of-Support, continuing to operate this technology poses a number of risks to an organization: replacement parts are no longer manufactured, out-of-date software will not be supported, and technical support from the manufacturer will no longer be available.

To mitigate these risks, NEC continues to offer promotions, incentives and financing options for all NEAX 2000 customers to migrate to the latest technology, including unified communications and collaboration, fixed mobile convergence and advanced contact center applications.

Whether a business is an existing customer or one that is new to NEC, they can always be confident in the knowledge that they have the latest communications technology and applications. Because this solution is one of NEC's global offerings, development for UNIVERGE SV8300 Communications Servers will continue for years to come.

Specifications

Item	1 Unit			2 Units	3 Units	4 Units	System Max			
	2U x 1	2U x 2	2U x 3	2U x 6	2U x 9	2U x 12	Stand Alone	Remote Unit		
Blade Slots	6	12	18	36	54	72	72	900		
Physical Ports	108	216	324	648	972	1296	1296	2048	2048	
Virtual Ports	1536			2048			2048	2048	2048	
Stations	SLT (-24V)	96	192	288	576	864	1152	1152	1536	
	SLT (-48V)	24	48	72	144	216	288	288	1536	
	Digital (-48V) (Dterm series i / DT300)	96	192	288	576	864	1152	1152	1536	
	Digital (-48V) for DT300 w/APR (Note 1)	28 (28)	56 (56)	84 (84)	168 (168)	252 (252)	336 (336)	336 (336)	768 (768)	
	Digital (-48V) for Series i w/APR (Note 1)	21 (21)	42 (42)	63 (63)	126 (126)	189 (189)	252 (252)	252 (252)	768 (768)	
	DSS Console for Series i / DT300 (Note 2)	32						32	32	32
	Desk Console (Note 4)	8						8	8	8
	ISDN Terminal (BRI) (Note 3)	48	96	144	256		256	1536	256	1536
	ZT Interface (CSI) (Note 3)	48	96	144	288	384		384	384	
	UM8000 (Voice Mail)	48	96	128			128	128	128	
	16-Party Conference (PVAA)	96	128				128	128	128	
	PS III	512					1024	1024	1024	
	Standard SIP Terminal	512			1024			1536	1536	
	Dterm IP	1024			1536			1536	1536	
	Dterm SIP (DT700)	1024			1536			1536	1536	
MH240	1024			1536			1536	1536		
SoftPhone	1024			1536			1536	1536		
DSS Console for DT700 (Note 2)	32						32	32	32	
CO Trunks	COT	48	96	144	288	432	488	512	512	
	DID	24	48	72	144	216	288	288	512	
	TIE	24	48	72	144	216	288	288	512	
Digital Trunks	TI	96	192	288	504		504	504	504	
	PRT	96	192	288	504		504	504	504	
	CCT	96	192	288	384		384	384	384	
	BRI	48	96	144	256		256	256	256	
IP Trunks	P2P CCIS Channels	512					512	512	512	
	SIP Trunks (Note 4 & 8)	96					96	96	96	

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