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NEC

Pre-Packaged Fault Tolerant Server

UNIVERGE® SV9500 High Availability UC Solution

At a Glance

- UNIVERGE SV9500 Unified Communications (UC) software delivered on NEC's Express5800/R320 Fault Tolerant server

- Fully integrated UC with voice, mobility and Unified Messaging (UM)

- 99.999% availability for unified communications and other applications

- Two servers integrated into one logical server for simplicity and cost effectiveness

- Centralized, intuitive configuration and management system

- System capacity up to 4000 IP stations

- Out-of-box continuous availability that's easy to install and operate

- Fully redundant modular hardware featuring high-performance 12-core Intel® Xeon® processors

Overview

NEC's UNIVERGE SV9500 High Availability UC (HAUC) solution is a pre-packaged software-based Unified Communications platform delivered on our Express5800/R320 Fault Tolerant server. The SV9500 HAUC solution offers a powerful, feature rich system with unified communications, 99.999% availability, easy-to-use single point configuration and management, and simplified user licensing structure for streamlined application integration. This pre-packaged solution provides a powerful, reliable, secure and easy-to-use solution for organizations of all sizes and industries, and offers easy integration with NEC's unique vertical solutions.

Solution

The UNIVERGE SV9500 High Availability UC solution provides:

- Fully integrated powerful unified communications which includes mobility and unified messaging

- High availability support and compatibility for all other applications and operating systems

- 99.999% system availability for business continuity assurance

- Fully redundant components and modular architecture which run in lockstep as one logical server

- Transparent failover and system integrity for mission-critical applications and environments

- No loss of data and server virtualization protection

Specifications

	Features
Platform	• UNIVERGE SV9500 Communications Software • High availability for mission critical applications & environments • 4 RU (Rack Units) • Fully redundant modular hardware • Intel Inter processor memory • Simplified management • Supports lockstep operation • Hyper-V perfect for virtualization
Server Hardware	• Express5800/R320e • Logical memory sots: 16 • Max logical memory: 512GB • Max logical internal storage: 9.6TB • Processors: Intel Xeon E5 • 2670v3 (M4) & 2630v3 (E4) • Power Supply: 800Watt • Max Power Consumption: 1300VA/1290 Watt
Applications	• UC Desktop Client • UC Mobility • UC Desktop Softphone • UC Mobility Softphone • UC Attendant • UC Manager • Internal/ External ACD • ACD Statistics (Global Navigator) • Voice Mail/ Unified Communications System • Emergency On-site Notification
Stations	• NEC IP Terminals • Standard SIP Terminals • Digital Terminals • Analog Terminals
Networking	• SIP Trunk • T1/PRI Trunk • Analog Trunk • FCCS/CCIC IP Network
Gateways	• 7U-GC • UG50 • UG30 • 1U MPC • MGSIP128 and Virtualized MG_SIP
Survivability-Failover	• Geo-Redundancy: GR-Node, SR-Node and SR-Node(S) • Location Diversity – FCCS • Distributed System - UMGI
Capacity	• Stations: 4,000 IP ports per system • Trunks: 4,000 ports per system • GR-Node: 7 nodes/ 6,144 ports each • SR-Node: 2,000 ports each • SR-Node(S): 300 ports each • UMGI: 16,000 IP ports/ 24,576 total ports • FCCS/CCSI: 252 nodes/ 192,000 ports
Regulatory Compliance	• FCC • UL/CSA • Section 508 Compliant • CE • Industry Canada (IC) CS-03

Peripheral Equipment Specifications

Peripheral	Features
7U-GC	• 7 RU x 19" • 18 slots • Redundant AC/DC power modules • Digital/ Analog Stations • PRI/T1 Trunks • Attendant Interface
UG50	• 2 RU x 19" • 5 slots • Digital/ Analog Stations • Analog/PRI trunks
UG30	• 2 RU x 19" • Lync Gateway
1U MPC	• 1 RU x 19" • 2 slots • 32ch conference • 16ch SIP Trunk • T1 Trunk
NGSIP128	• 1.5 RU x 19" • 128ch SIP Trunk
GR-Node/ SR-Node	• 1.5 RU x 19" • Survivable Remote MGC
SR-Nose(S)	• UG50 19" chassis
Virtualized MG-SIP	• VMWare Environment