

The competitive overview of Matrix SARVAM UCS – Unified Communication Server for Modern Enterprises against NEC make SL1000 system

Product Comparison



Matrix SARVAM UCS



NEC SL1000

SYSTEM OVERVIEW:

NEC SL1000 System Architecture

- One Main KSU and Expansion KSU for scalable solution
- Max. 3 Exp. KSU can be connected (Total 4 KSUs)
- Expansion Unit cannot function as standalone unit – Expansion unit does not have CPU and main software
- 4th KSU cannot be used for trunk modules (CO, BRI, and PRI) – it can be used only for extensions
- Distributed Processing

NEC SL1000 Built-in System Resources

1-Ethernet Port	Web-based system configuration (WebPro and PCPro), SMDR
1-Power Fail Circuit	To connect trunk to specified extension in event of power failure
4 Trunk and 8 hybrid Extensions	To connect 4 Trunk lines and 8 Digital phones
Auxiliary Devices	2 Door Unlock Relay
Built-in Auto-Attendant	1 answering circuit (auto-attendant message per KSU)
Maximum 32 participants conferences (Max. 16 participants per conference)	

Matrix SARVAM UCS Built-in System Resources

1 RS232C (COM) Port	For SMDR, PMS, CAS interface
2 Ethernet Port	Web-based system configuration, SMDR, PMS, System Log
2USB Port	For connecting External Flash Drive (for future application)
Built-in Auto-Attendant	9 auto-attendant messages per system built-in (Expandable through Voice Mail Module)
62 Participants Conference (Max. 21 in single conference, 20 groups of three-party conferences)	

Matrix SARVAM UCS System Architecture

- Single Unit solution
- Modular, Universal Slots based with IP at core Platform
- Distributed Processing

Benefits

- No hassle of hardware installation and interconnectivity
- Intelligent space utilization
- Lesser troubleshooting while repair and upgrade

Product Value Analysis:

Value Parameters	Matrix SARVAM UCS	NEC SL1000
Easy Installation and Maintenance	<ul style="list-style-type: none"> ✓ Single Unit solution with IP at core and reduced cabling ✓ Facilitates system installation and maintenance with significant saving over installation time ✓ No need of costly multiple battery boxes – only single battery box is required for back-up ✓ Modular design makes system troubleshooting and repair very easy ✓ Only web based configuration console for all feature management ✓ System upgrade is easy through FTP and web based configuration console 	<ul style="list-style-type: none"> ✓ Increased cabling and complexity as Each Expansion KSU is connected with Main KSU through Star Topology ✓ Increased power cabling as Each KSU (main and expansion) requires separate power supply ✓ Increased space requirement, cabling and cost as each KSU requires separate battery box for back-up supply ✓ In spite the modular design, system troubleshoots and repair is difficult. To remove faulty modular cards, other modular cards need to be removed first ✓ Requires additional application-PCPro to be installed to manage major features. Web based console (WebPro) provides limited configuration flexibility
System Reliability and Management	<ul style="list-style-type: none"> ✓ 100% Non-blocking system ✓ Lower power consumption ✓ Remote management of system through Internet – only web browser is required 	<ul style="list-style-type: none"> ✓ Power consumption is higher ✓ Remote management of the system requires additional application (PCPro) and Modem
Easy System Scalability	<ul style="list-style-type: none"> ✓ Universal slot based architecture and modular design makes system easily scalable through expansion modules/cards – no need of external units and extra cabling between units ✓ To scale the system only Expansion modules/cards and required licenses to be bought – no extra hardware unit required ✓ VOIP channel scalable up to 128 ✓ Supports 999 IP/SIP users on single VOIP module ✓ Universal slots have no scalability limitations, any expansion card can be connected to any slot – installation ease and optimum utilization of the equipment 	<ul style="list-style-type: none"> ✓ Scalability through expansion units increases cabling and installation complexity ✓ To scale the main KSU, optional card (IP4WW-EXIFB-C1) is required to be installed at main KSU before connecting expansion KSUs ✓ 3rd slot of each KSU cannot be used for 4-wire multi-line telephone or DSS console. DSS console to be connected to last port (port no. 8) of each expansion unit ✓ 4th Expansion KSU can be used only for extensions expansion – no trunk expansion supported
Flexible System Capacity	<ul style="list-style-type: none"> ✓ SARVAM UCS supports diverse networks for voice applications as VOIP, GSM/3G, Analog (CO Lines), ISDN BRI, ISDN PRI, E&M and RADIO ✓ No memory limitations to use advance features. Users can use features and functionality just after configuring expansion card and activating required license ✓ Single Voice Mail expansion module with 64 channel support to fulfill all the requirements including voice recording, voice mail notification, voice mail to e-mail, etc. ✓ Voice Mail Capacity is expandable up to 64GB or 2000+ hours ✓ 	<ul style="list-style-type: none"> ✓ Limited network support ✓ Memory needs to be expanded to use certain features like connecting expansion KSUs, VOIP, CTI, Remote Upgrade, VRS channel control, InMail channel control ✓ Three different voice modules; <ul style="list-style-type: none"> • Voice Recording service • VMS – VRS and 2 channel InMail • VML – VRS and 4 channel InMail ✓ Limited Voice Mail memory (up to 1GB or 40 hours) ✓ Limited software configuration

Detailed Product Comparison:

A. Product Capacity Comparison:

Capacity	Matrix SARVAM UCS	NEC SL1000
Max. Slots	12	12 (4 KSUs)
Max. System Ports	240	230 (4 KSUs)
Max Trunks – Analog	64	48
Max. Trunks – ISDN Channels (BRI)	64 (32 ports)	36
Max Trunks – ISDN Channels (T1/E1/PRI)	240 (8 Digital Links)	90 (3 Digital Links E1)
Max Trunks – SIP	99	16 (Needs Memory Unit)
Max Extensions – Analog	240	128 (SLT: -28V)
Max Extensions – Digital	96	96 4W Key Set (proprietary) 36 BRI (S-Point)
Max Extensions – IP	999 (on single VOIP module)	16 (Needs Memory)
Concurrent IP to IP calling	500	INA
Wireless Extensions	YES (Android/iOS UC Clients, Windows UC Client)	YES (Mobile)
Mobile Trunks	40	NO
Attendant Consoles (DSS Consoles)	YES (1000 DSS with UC Client)	12 (3/KSU) 4W DSS Console (proprietary)
Voice Mail Ports	64 Channel support	16 (expandable through memory and license)
Voice Mail Boxes	999	100
Voice Mail storage capacity	2000+ Hours with 64GB USB Flash Drive	40 hours with 1GB memory card
Operator Console	YES (Available with both DKP and IP Phone)	YES (Proprietary DSS)

B. Product Feature Comparison:

Key Features	Matrix SARVAM UCS	NEC SL1000
Built-in Auto-attendant	YES	One answering circuit (VRS)
Built-in Power Failure Transfer	YES	INA
CDR / SMDR	YES (12000 calls – Incoming, Outgoing, Internal)	YES (total 320 calls – no Intercom calls)
Online SMDR	YES	INA
Call Log	YES	YES
Presence Indication	YES	INA
Emergency Number Dialing	YES	YES
Call Pick-up groups	YES	YES
Call Park	YES	YES
Callback	YES	YES
Busy Lamp Field (BLF) Indications	YES (up to 600)	YES
Call Conference	YES (62 party conference, max. 21 in single conference)	YES (32 Channels – Max. 16 participants)

Direct Inward Dialing (DID)	YES	YES
Direct Outward Dialing (DOD)	YES	INA
Direct Inward System Access (DISA)	YES	YES
Parallel Ringing / Dual Ring	YES	YES
Executive/secretary functions	YES	YES
DND	YES	YES
Override	YES (DND, CLID block)	YES (DND, Call Forwarding)
Twinning	YES (IP, Digital, Analog, Mobile)	NO
Hotline	YES	YES
Virtual Numbering Plan	YES	YES
Speed Call Numbers/Keys	YES	YES
Call Routing	YES (LCR)	YES (LCR, UCD)
Voice Mail	YES	YES
Message Notification	SLT, Digital key phone, IP Phone, E-mail	SLT, E-mail
Tenanting	NO	NO
Central Directory	YES	YES
Message Wait Indication	Message wait lamp, Shuttered Dial Tone, Voice Message	YES

C. Specialized Features Comparison:

Hotel Application Features	Matrix SARVAM UCS	NEC SL1000
Application Suite	Web-based GUI with Front Desk User wizard	Programming through SLT, DSS Console, PC Pro and WebPro
Front Desk Management	YES	NO
Auto-Attendant	YES	YES
Recorded Announcement	YES (Built-in through VMS)	YES
Call Record	YES	NO
Music on Hold	YES (Built-in)	YES
Wake up calls	YES	YES
Check-in & Check-out	YES	YES
Voice Mail Personalization	YES (Limited)	INA
Multi-language Support	YES (English, Italian, Spanish, French, German, Portuguese)	2 Languages (UK English, Chinese)
Mini Bar	YES	NO
PMS	Proprietary (support for third-party PMS)	INA
Call Cost Calculation	Built-in	INA

Comparison is based on information available from respective product catalogues and manuals to the best of our knowledge. For more details please contact respective manufacturer.