

# SL2100 Product Overview



The Smart Enterprise

# UNIVERGE SL2100 – Overview

## The UNIVERGE SL2100 offers

- Flexible chassis architecture
- Simple, scalable, IP Unified Communications enabled solution
- High reliability
- Simplified user licensing structure
- Built-in Unified Communications
- Built-in Applications
- Range of mobility devices
- Vertical market-specific solution integrations
- Wide-range of end-points
- Single point configuration and management
- Multi-carrier support

The following slides will give an overview of the SL2100 Portfolio offering solutions for all your requirements.

*Refer also to the SL2100 R4 Feature Overview for details of new features available with the latest release of Main Software.*



# UNIVERGE SL2100 - Overview

## The UNIVERGE SL2100 offers

- Scalable system from 4 to 112 ports
- Supports all trunk types: Analogue / ISDN BRI / ISDN PRI / SIP
- Supports all terminal types: Analogue / Digital / IP / IPDECT
- Backward compatible with SL1000/SL1100 terminals
- Easy installation using PCPro Initial Setup Wizard
- Built-in IP Resources: 8 channels built-in and can be expanded up to 128 channels
- Built-in 4 SIP trunks and 4 IP Extensions with the CPU-C1-A\*, can be expanded to 64 SIP trunks & 112 IP extensions with licenses
- Built-in Voicemail system with 4 channels & 2 hour storage with the CPU-C1-A\* (can be expanded to 16 channels & 120 hour) with call recording, auto-attendant and optional voicemail to e-mail integration
- Built-in web browser based Applications (licenses required):
  - InUC Video Conference and document sharing with UC Client Application (Presence, Buddy list, IM & Desktop terminal control, Browser Phone)
  - InGuard Toll Fraud Guard
  - InReports Call Management and Reporting
  - InHotel Hotel Front of House for room reservations, guest folio and billing
- MyCalls Applications: Call Manager, Call Recorder, Desktop & Console

\* CPU-C1 also available – Does not have 2 hour InMail or SIP trunk & IP Extn licenses built in

# UNIVERGE SL2100 – Capacity

## System Capacity

- Expandable to 240 total ports
- Easy to configure system capacity by adding Interface Cards, Licenses & Chassis

*Tables below are system maximum capacities – may require up to 3 KSU*

Items	SL2100
Maximum TDM Ports	240
Maximum TDM Trunks (Total)	126
Analog	36
ISDN BRI	48
ISDN PRI	90
Maximum TDM Extensions (Total)	112
Digital	72
Analog	96
Maximum IP Ports	176
IP Trunks	64
IP Extensions	112

Items	SL2100
InMail Hours	2/15/120
Remote Nodes (IP System Interconnection)	1000
VoIP Channels	128
DDI Tables	1000
Speed Dials	1000
Conference	2x16 = 32

# UNIVERGE SL2100 – Capacity

## System Capacity - for a single KSU

*Tables below are system maximum capacities with a single KSU*

Items	SL2100
<b>Maximum TDM Ports</b>	<b>80</b>
<b>Maximum TDM Trunks (Total)</b>	<b>42</b>
Analog	12
ISDN BRI	16
ISDN PRI	30
<b>Maximum TDM Extensions (Total)</b>	<b>32</b>
Digital	24
Analog	32
Virtual	50
<b>Maximum IP Ports</b>	<b>176</b>
IP Trunks	64
IP Extensions	112

Items	SL2100
InMail Hours	2/15/120
Remote Nodes (IP System Interconnection)	1000
VoIP Channels	128
DDI Tables	1000
Speed Dials	1000
Conference	2x16 = 32

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
Chassis	Wall or stand mounted 9.5" 3 slots, no expansion 	Chassis can be wall or rack mounted, 4 slots, can be expanded 
	Rack, floor or wall mounted 19" 6 slots, can be expanded 	

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
<b>Chassis dimensions</b>	9.5" chassis – 220mm x 115mm x 369mm (wxhxd) 19" chassis – 430mm x 88mm x 360mm (wxhxd)	330mm x 435mm x 93mm (wxhxd)
<b>AC cable</b>	At the rear of the 9.5" or 19" chassis	At the rear of the chassis
<b>Power switch</b>	At the front of the 9.5" or 19" chassis	At the rear of the chassis
<b>External Battery (Power fail)</b>	Large battery box for 9.5" or 19" chassis (up to 6 batteries 12V 7Ah) Small battery box for 9.5" chassis (2 batteries 12V 0.8Ah)	External battery box available (2 batteries 12V 7Ah)
<b>Internal Battery (Power fail)</b>	Available for 19" chassis (2 batteries 12V 2.3Ah)	Not available
<b>Slot covers</b>	Screw mounted (spare covers available)	Knock-out (spare covers not available)
<b>Chassis cable covers</b>	Optional item for 9.5" or 19" chassis	Not available
<b>Wall mounting</b>	9.5" integral, 19" requires CHS1U/2U kit	Integral
<b>Rack mounting</b>	9.5" not available, 19" requires CHS2U rack brackets (2U)	Requires SL2100 rack mount shelf (3U)
<b>Floor mounting</b>	9.5" not available, 19" requires CHS base unit & joint kit	Not available

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
Interface card connections	RJ61 connectors, 4 ports per connector (for analogue trunks, digital and analogue extensions)	RJ61 connectors: 3 ports per connector for analogue trunks 4 ports per connector for digital extensions of 082 card 2 ports per connector for digital extensions of 308/008 card 2 ports per connector for SLT extensions on the 082 card 2 ports per connector for SLT extensions on the 008 card
Cable assemblies	RJ61 to bare end 3.5m RJ61 to RJ45 panel (16/24/40 port)	RJ45 cables (2.0m) and adapters
19" Patch panels	16/24/40 port available	16/24/40 port available
Terminals	<ul style="list-style-type: none"> <li>Digital – DT400 range</li> <li>IP – DT820 range, DT830 range, GT210</li> <li>IPDECT – full range</li> <li>VoWLAN – 8440</li> <li>Hotel – Cetus</li> <li>Analogue – Baseline, AT50/AT55</li> </ul>	<ul style="list-style-type: none"> <li>Digital – Type A or Type B (DT430 &amp; DT530 with DSS console are also available in selected regions)</li> <li>IP – DT820 &amp; DT920 range (no Gigabit/32 button support), DT930 with DSS console, 8IPLD, GT210</li> <li>IPDECT – full range</li> <li>VoWLAN – 8440</li> <li>Hotel – Cetus</li> <li>Analogue – Baseline, AT50/AT55</li> </ul>

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
ISDN BRI S-Point Power feed	The 2BR1A card supports power feed for S-Point mode	The 2BR1DB card does not support power feed for S-Point mode
Chassis power requirements	9.5" chassis: 1.19A max @ 230VAC 19" chassis: 1.19A max @ 230VAC per chassis	0.79A max @ 230VAC per chassis
SLT ring signal normal current	25mA	308-A1 & 008-A1 card: 25mA @ 300Ω, 21mA @ 600Ω 082 card: 22mA @ 300Ω, 20mA @ 600Ω
Power fail transfer (CO line)	Available on the GCD-4COTA, 2 ports	Not available
CPU card	Does not have any IP resources built in to the CPU	Has 8 IP resources built in to the CPU
	Uses Nucleus operating system	Uses Linux operating system
	Uses SD-A1 or SD-B1 card for InMail	Has InMail built in (4 channels 2hour) with CPU-C1-A
	SD card is mandatory (for Main Software)	SD card is optional
	Installed into slot 1 of the chassis	Installed into dedicated CPU slot
Traffic capacity	9200 BHCA	2540 BHCA

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
Maintenance - hardware	Interface cards are replaceable with system powered on	System must be powered off to replace interface cards
Maintenance - Software	Main software upgrade locally or remotely via PCPro	Main software upgrade locally or remotely via PCPro. Automatically via external Maintenance Server
Software Assurance (SWA)	Available	Not available

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100 9.5" Chassis	SV9100 19" chassis	SL2100
<b>Capacity</b>			
<b>Maximum Trunks (Total)</b>	<b>400</b>	<b>400</b>	<b>128</b>
Analogue	16	184	36
ISDN BRI	16	184	48
ISDN PRI	60	360	90
IP	400	400	64
<b>Maximum Extensions (Total)</b>	<b>896</b>	<b>896</b>	<b>128</b>
Digital	32	368	72
Analogue	32	368	96
IP	896	896	112

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
<b>VRS</b>	2ch 100 messages 45 minutes storage built-in, 26 languages Can be expanded to 16 channels with licenses and 80 channels with IPLE card	<b>CPU-C1 / CPU-C1-A</b> 4ch 100 messages 2hour storage built in, 1 language (Language file can be changed) Answer machine feature Can be expanded to 16 channels with EXIFB card
<b>InMail</b>	InMail built in with the SD card <ul style="list-style-type: none"> <li>16ch InMail with 12 hour storage with the SD-A1</li> <li>16ch InMail with 115 hour storage with the SD-B1</li> </ul>	<b>CPU-C1</b> No InMail built in InMail requires SD card: <ul style="list-style-type: none"> <li>4ch InMail with 15 hour storage with the SDVMS</li> <li>4ch InMail with 120 hour storage with the SDVML</li> </ul> Can be expanded to 16 channels with EXIFB card  <b>CPU-C1-A</b> 4ch 2hour storage built in Can be expanded to 15 hour storage with the SDVMS Can be expanded to 120 hour storage with the SDVML Can be expanded to 16 channels with EXIFB card

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# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
InMail mailboxes	<ul style="list-style-type: none"><li>• Station Mailboxes = 896</li><li>• Routing Mailboxes = 32</li><li>• Group Mailboxes = 32</li><li>• Total Mailboxes = 960</li></ul>	<ul style="list-style-type: none"><li>• Station Mailboxes = 128</li><li>• Routing Mailboxes = 32</li><li>• Group Mailboxes = 32</li><li>• Total Mailboxes = 192</li></ul>
UM800 Voicemail	Available	Not available
VoIP Resources	No resources built in IPLE card required for VoIP resources 256 VoIP resources (assigned with each IP trunk/extension)	8 resources built in o the CPU Can be expanded to 128 resources with VOIPDB card and licenses

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
Licenses	<b>SIP Trunks</b> 4 SIP trunks are included when the IPLE card is installed. SIP trunks 5 and above require licenses.	<b>SIP Trunks</b> <b>CPU-C1</b> No SIP trunk licenses are included. SIP trunks 1 and above require licenses.  <b>CPU-C1-A</b> 4 SIP trunk licenses are included. SIP trunks 5 and above require licenses.
Licenses	<b>SIP Extensions</b> 4 SIP extensions are included when the IPLE card is installed. SIP extensions 5 and above require licenses. Licenses for 3 <sup>rd</sup> Party Standard SIP or NEC IP terminals	<b>SIP Extensions</b> <b>CPU-C1</b> No SIP extension licenses are included SIP extensions 1 and above require licenses. <b>CPU-C1-A</b> 4 SIP extension licenses are included SIP extensions 5 and above require licenses.  Note - The 8IPLD IP terminals do not require a license. IP extension license required for DT820, DT920, DT930, IPDECT, GT210 and 3 <sup>rd</sup> party Standard SIP devices Single license for either Standard SIP or NEC IP terminals

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
MyCalls	MyCalls Call Manager (1 <sup>st</sup> year included with SV9100) MyCalls Call Recorder MyCalls Console MyCalls Desktop Lite (included with SV9100) MyCalls Desktop MyCalls Enterprise MyCalls Calls Centre	MyCalls Call Manager MyCalls Call Recorder MyCalls Console  MyCalls Desktop
Onboard Applications	InGuard InReports InHotel InUC InDECT + InAlert InFIAS InScheduler InSNMP InSnapshot	InGuard InReports InHotel InUC InDECT + InAlert InFIAS

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
Networking	Netlink SIP Trunk Networking KCCIS AspireNet	SIP Trunk Networking SLNet
BusinessConnect (BCT)	Available	Not available
Unified Calls for Business (UCB)	Available (selected regions)	Not available

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
System Speed Dial	10,000	1000
Personal Speed Dial	Each extension has 10 personal speed dials	Each extension has 100 personal speed dials
Telephone Book	200 books each up to 450 entries	NA
DDI Tables	4000	1000
SIP Trunk Profiles	6	6
Incoming Ring Groups	100	50
Trunk Routes	100	50
Trunk Groups	400	50
Internal Paging Groups	64	50
Call Pickup Groups	64	50
Department Groups	64	50
Park Hold Orbits	64	50
ACD Groups	64	8
ACD Agents	896	20

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
<b>Analogue modem</b>	Built in to CPU	EXIFB card required
<b>External MOH</b>	Maximum 96 per system Connect to the GCD-CP10 card or the PGDAD (PGD(2)-U10) unit	Maximum 1 per system Connect to the IP7WW-308-A1 or IP7WW-082-A1 card
<b>External BGM</b>	Maximum 1 per system Connect to the GCD-CP10 card or the PGDAD (PGD(2)-U10) unit	Maximum 1 per system Connect to the IP7WW-308-A1 or IP7WW-082-A1 card
<b>Doorphones</b>	Maximum 8 Connect to the PGDAD (PGD(2)-U10) unit (requires digital extension port)	Maximum 6 per KSU, 6 total per system Connect to SLT ports of the IP7WW-082-B1 card Connect to hybrid ports 6 or 7 of the IP7WW-308-A1 card
<b>Relay contacts</b>	Maximum 8 Connect to the PGDAD (PGD(2)-U10) unit (requires digital extension port) Contact rating 0.5A / 24VDC	Maximum 6 per KSU, 6 total per system Connect to the IP7WW-308-A1 or the IP7WW-082-B1 card Contact rating 320mA / 48VDC
<b>Terminal cable length</b>	Digital: 600m (24AWG) Analogue: 1,500m (24AWG)	Digital/Hybrid: 300m (24AWG) Analogue: 1,125m (24AWG)

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
<b>Digital Extension cards</b>	8 port card (GCD-8DLCA) 8 port daughterboard (GPZ-8DLCB) 16 port card (GCD-16DLCA)	8 port Hybrid card (I7WW-008) 8 port Hybrid card with 3 CO trunks (IP7WW-308) 8 port Digital card with 2 SLT extensions (IP7WW-082)
<b>Analogue Extension cards</b>	4 port card (GCD-4LCA) 8 port card (GCD-8LCA) 8 port daughterboard (GPZ-8LCE)	
<b>Combi card</b>	8 port digital + 2 port analogue extension (GCD-LTA)	
<b>Analogue Trunk cards</b>	4 port card (GCD-4COTA) 4 port daughterboard (GPZ-4COTE)	8 port Hybrid card with 3 CO trunks (IP7WW-308) 3 port daughterboard (IP7WW-3COIDB)
<b>ISDN BRI cards</b>	2 circuit (4ch) card (GCD-2BRIA) 2 circuit (4ch) daughterboard (GPZ-2BRIA)	2 circuit (4ch) daughterboard (IP7WW-2BRIDB)
<b>ISDN PRI card</b>	1 circuit (30ch) card (GCD-PRTA)	1 circuit (30ch) daughterboard (IP7WW-1PRIDB)
<b>PoE Switch</b>	8 port Gigabit PoE Switch (GCD-ETIA)	NA
<b>Hotel PMS Interface to FIAS</b>	InFIAS On board application	NA

*This table may not be complete in all respects*

# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
Conference	96 ports (when analogue modem not used) 64 ports (when analogue modem used) Max 32 party conference	32 ports max 16 party conference
Conference Bridge (Remote)	20 Passwords/remote conferences	4 Passwords/remote conferences

*This table may not be complete in all respects*

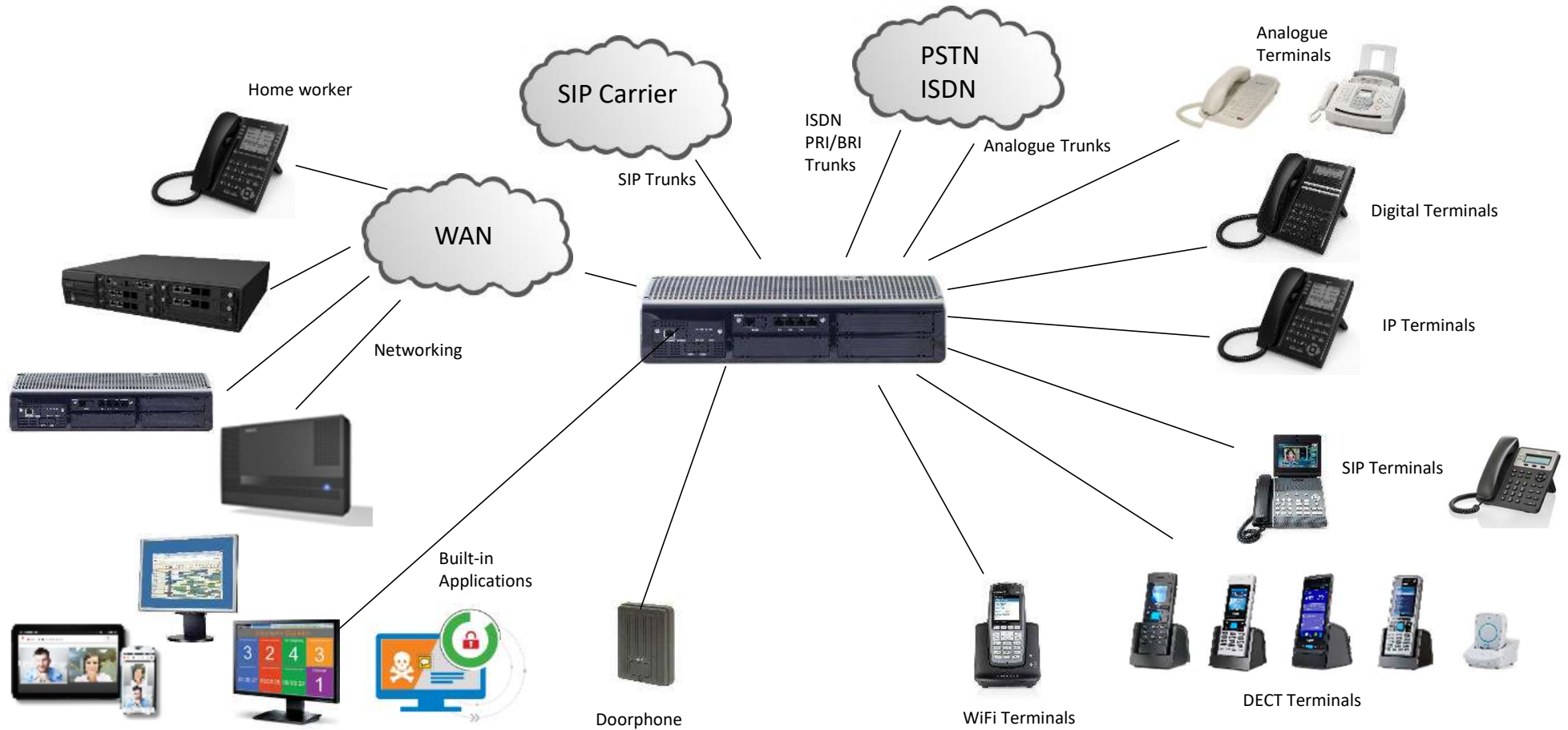
# UNIVERGE SV9100 to SL2100 Differences

## Overview of differences between the SV9100 and the SL2100

Items	SV9100	SL2100
<b>InACD</b>	<p>Available</p> <p>64 ACD Groups</p> <p>896 Agents</p> <p>All features available</p>	<p>Available in R1.5 Main Software</p> <ul style="list-style-type: none"> <li>• 8 ACD Groups</li> <li>• 20 Agents</li> <li>• In Queue messaging via the VRS</li> <li>• Position in Queue announcements</li> <li>• Overflow to various destinations</li> <li>• Two modes of login, Standard Login/AIC</li> <li>• Enhanced DSS Operations</li> <li>• All Agent Activity is output in the P Commands and displayed/reported by MyCalls Call Centre</li> </ul> <p>Queue alarm not available</p> <p>ACD Whisper not available</p> <p>Skill Based Routing not available</p>
<b>AspireNet / SLNet</b>	<p>AspreNet Available</p> <ul style="list-style-type: none"> <li>• Up to 50 nodes (SV9100 systems only)</li> <li>• Centralised InMail voicemail</li> <li>• Desk to Desk calling with Caller ID and name display</li> <li>• Sharing trunk lines with remote systems</li> <li>• Extension busy lamp information</li> <li>• Shared Park Hold orbits</li> </ul>	<p>SLNet Available in R1.5 Main Software</p> <ul style="list-style-type: none"> <li>• Up to 50 nodes (SL2100 systems only)</li> <li>• Centralised InMail voicemail</li> <li>• Desk to Desk calling with Caller ID and name display</li> <li>• Sharing trunk lines with remote systems</li> <li>• Extension busy lamp information</li> <li>• Shared Park Hold orbits</li> </ul>

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# UNIVERGE SL2100 – Interfaces



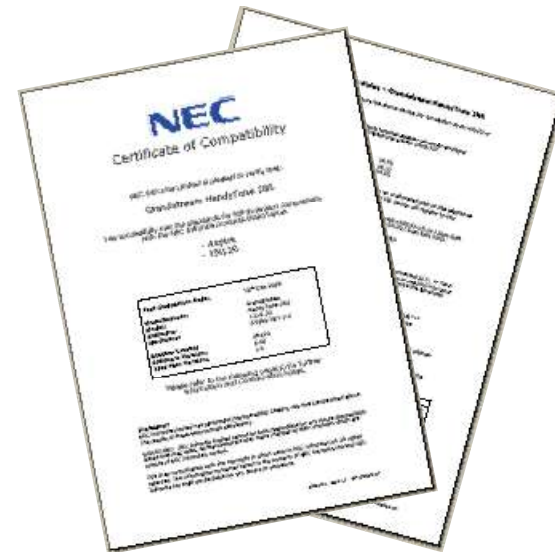
# UNIVERGE SL2100 - SIP Trunks

## SIP Trunks

- SIP Trunks Certification procedure.
- PCPro includes profiles for certified carriers for easy configuration
- NEC are continuously testing with various carriers.
- Requests can be logged on the MRDB by Account Manager or through Distribution Partners.
- Certificates are created for all successful tests.
- Latest versions can be downloaded from Businessnet or from Distribution partners support portal.
- Many Carriers certified already.

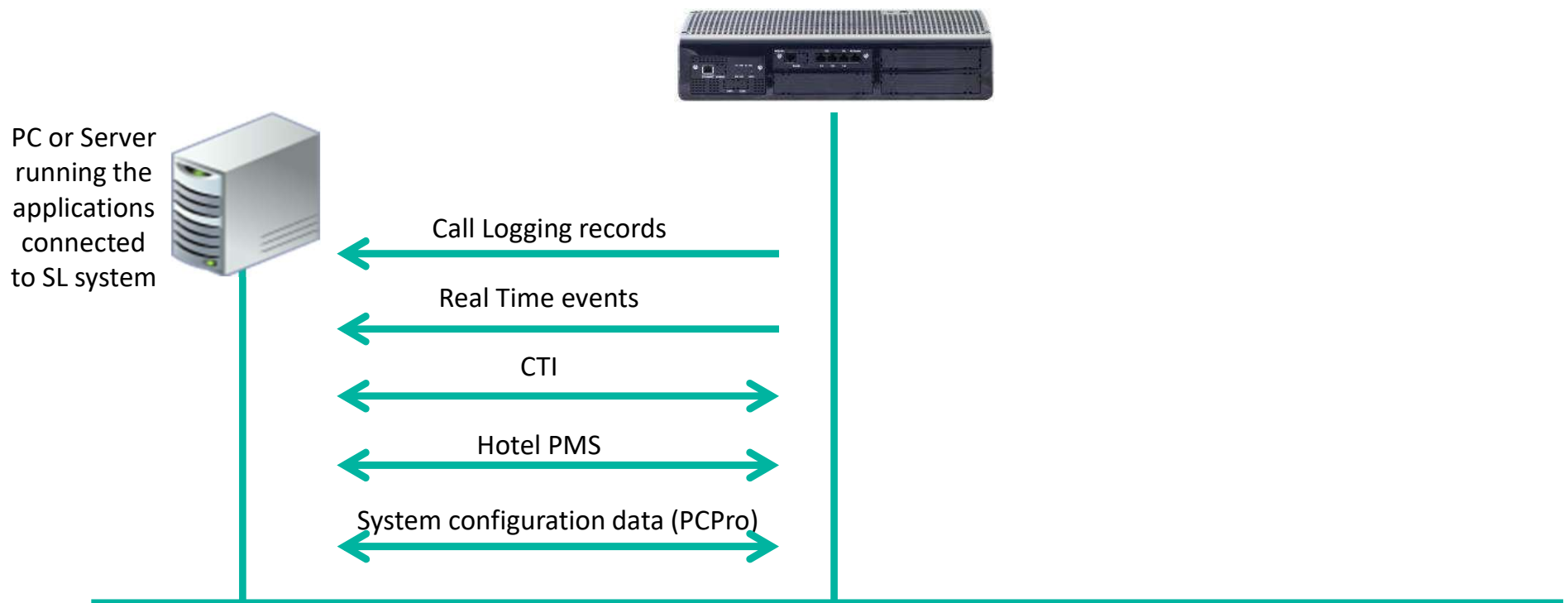
- Blueface (Ireland)
- Clarity Telecom (Ireland)
- Club Communications (UK)
- Gamma Telecom (UK)
- IP DirectConnect IPDC v1
- IP DirectConnect IPDC v3.1
- Infopact (Netherlands)
- Node4 SIPLink (UK)
- Primus (Belgium)
- Sonofon (Denmark)
- Teleware (UK)
- Toplink (Germany)
- Visual Online (Luxembourg)
- Voice Flex (UK)

VoIP Ireland (Rep. Ireland)  
Voicedata (Netherlands)  
3StarsNet (Belgium)  
More to be certified.



# UNIVERGE SL2100 – Application Interfaces

## Application Interfaces – using PC or Server to host the application

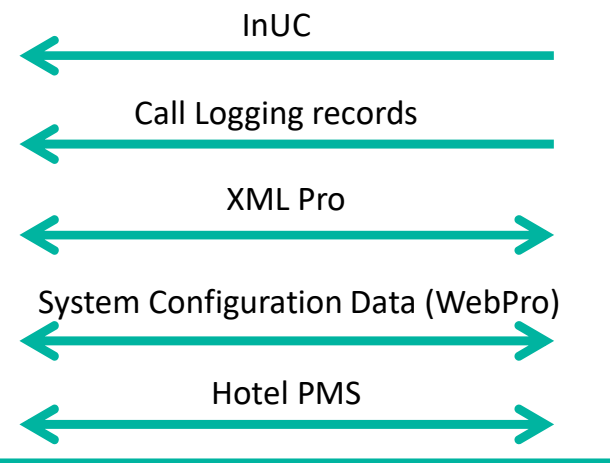


# UNIVERGE SL2100 – Built-in Applications

## Built-in Applications – SL2100 hosts the application

- Customer uses web browser to access the application from PC or Android tablet
- InGuard – Toll Fraud detection and prevention
- InReports – Call logging and reports
- InUC – Web video, document sharing and IM
- InHotel – Hotel Front of House, reservations and billing
- InFIAS – FIAS V2.21 compatible messaging for PMS
- InDECT – IPDECT installation & maintenance tool
- InAlert – Text messaging to IPDECT handsets

Web browser to access  
the built-in application



# UNIVERGE SL2100 – Installation

## Installation

- System Mounting – Rack or Wall

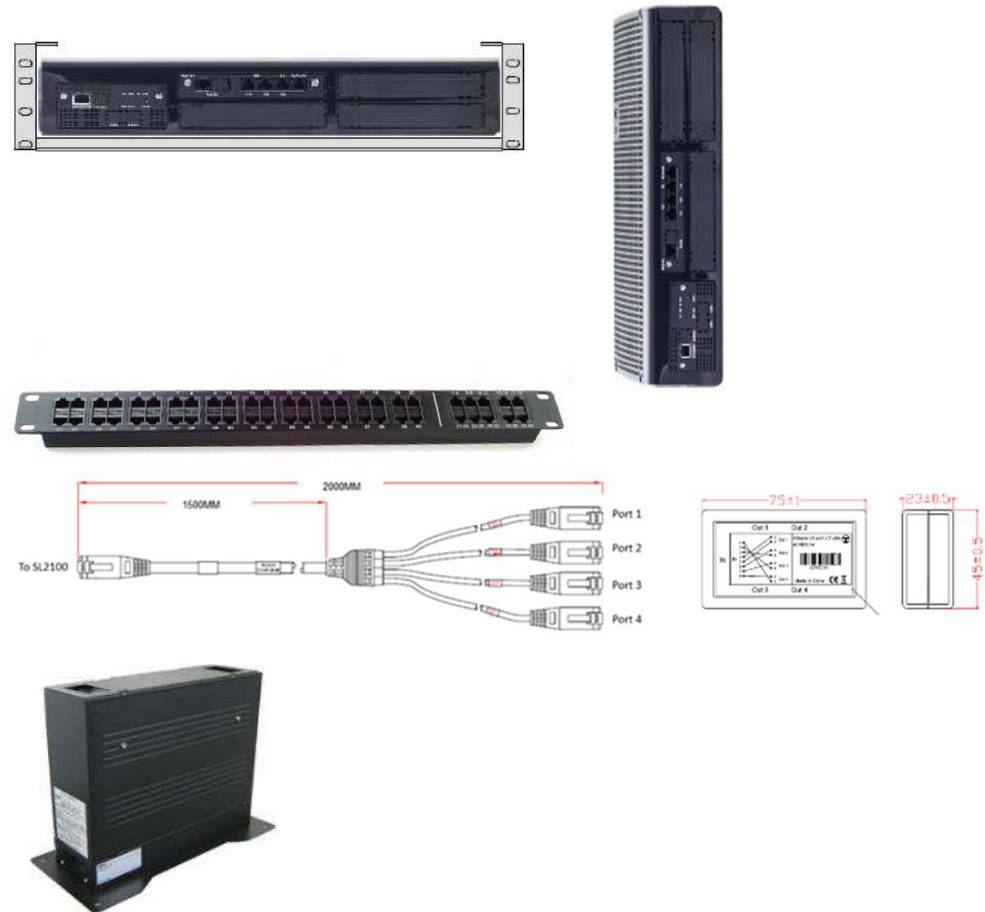
Total 3U rack space required includes ventilation

- Patch Panels – RJ61 -> RJ45, 16, 24 or 40 Port

- Cables and Adapters

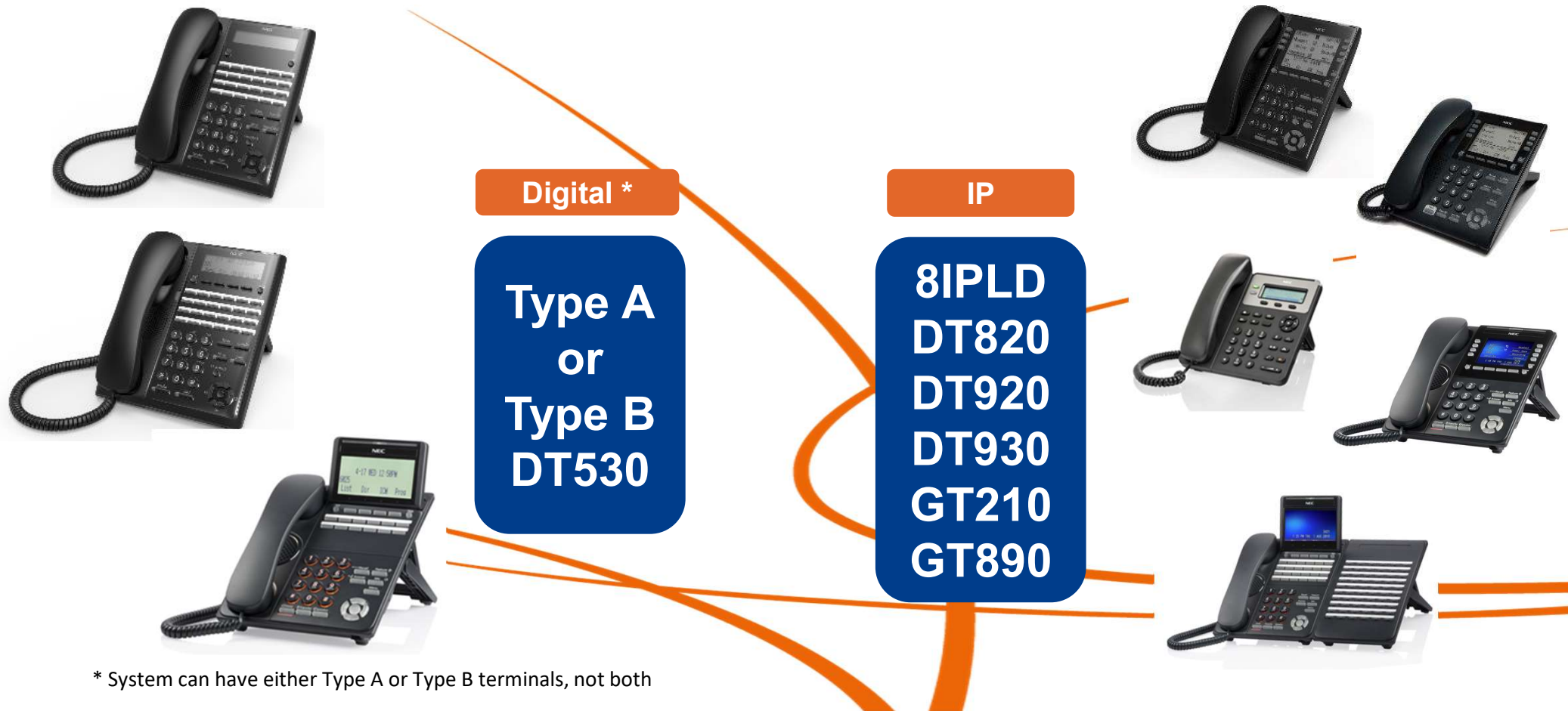
SL2100 cards have RJ61 connectors with multiple ports per connector, the panel/cable/adapter breaks out to RJ45 connections with one port per connector

- Battery Backup (external battery box)



# Terminals

# SL2100 Platform Terminals – Type A, Type B and IP range



# UNIVERGE SL2100 – Type A & Type B Terminal Comparison

## SL2100 can have either Type A or Type B terminals

- It is not possible to install both types to the same SL2100 system

Overview of differences between each terminal type



	Type A	Type B
Connection	4 wire (Hybrid) to 308 or 008 card	2 wire (Digital) to 082 card
Display	2 lines x 16 digit, no backlight	3 lines x 24 digit with backlight
Soft keys	None	4
Handsfree	Half Duplex	Full Duplex
Headset port	No	Yes
EHS support	No	Yes
DSS console type	4 wire type (DSS-A)	2 wire type (DSS-B)

# UNIVERGE SL2100 – DT530 Digital Terminals

## SL2100 support the DT530 Digital terminals

- It is not possible to install DT530 terminals if you also have SL2100 Type A digital terminals on the same SL2100 system



	DT530 12D	DT530 24D
Connection	2 wire (Digital) to 082 card	2 wire (Digital) to 082 card
Display	165x58 dots	165x58 dots
Soft keys	4	4
Handsfree	Full Duplex	Full Duplex
Headset port	Yes	Yes
EHS support	Yes	Yes
DSS console type	2 wire type (DT530/DT900)	2 wire type (DT530/DT900)

# UNIVERGE SL2100 – DT920/DT930 IP Terminals

## SL2100 supports the DT920 and DT930 IP Terminals

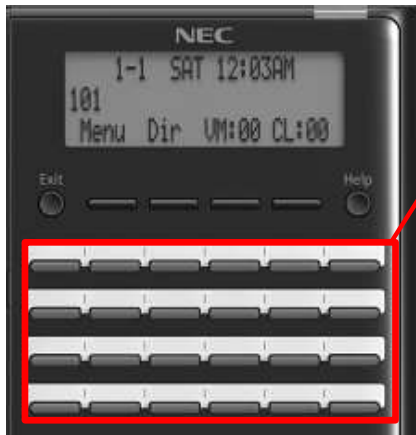
- It is possible to have a mix of any IP terminal types



	DT920 6D	DT920 12D	DT920 8LCX	DT930 24CG
Connection	IP	IP	IP	IP
Display	168x41 dots	168x41 dots	3.5" colour 320x240 resolution	4.3" colour 480x272 resolution
Soft keys	4	4	4	4
Handsfree	Full Duplex	Full Duplex	Full Duplex	Full Duplex
Headset port	Yes	Yes	Yes	Yes
EHS support	Yes	Yes	Yes	Yes
DSS console type	No	No	No	Yes (DT530/900)

# UNIVERGE SL2100 – Terminal Features

## Function Keys



The function keys can be used for various purposes, such as selecting a line, performing a feature or showing a status, etc.

Over 110 possible features can be programmed onto these feature keys so the most important to you are ready at your fingertips.

## Service Codes

## Fixed Feature Keys



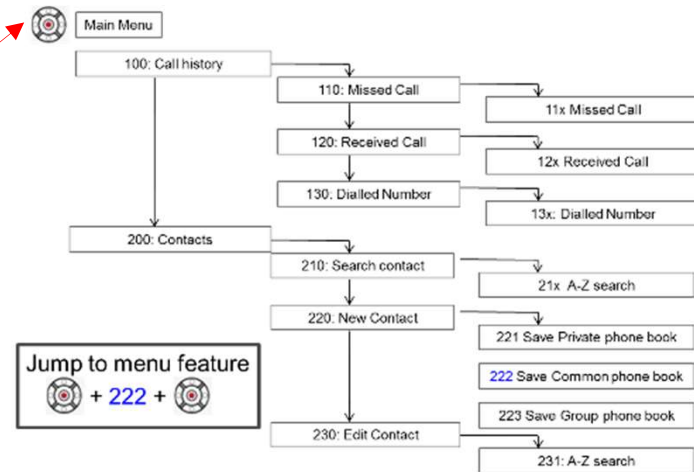
Over 170 features can be accessed via service codes dialed from the keypad. Items such as, Call forward, Call Pickup, etc.

Six fixed feature keys for Handsfree, Hold, Trunk Flash, Transfer, Microphone mute & DND

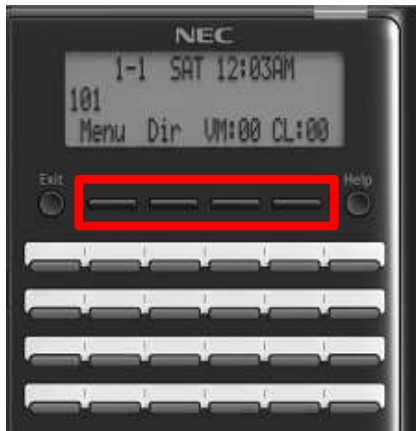
Type B terminal shown

# UNIVERGE SL2100 – Terminal Features

## Navigation Keys



## In Context LCD Prompts



Type B terminal shown

Type B & 8IPLD Terminals only

The items on the bottom row of the display change to provide the most context sensitive options depending on the phone state.

Pressing one of the 4 soft keys directly below choose the respective function.

# Terminal Modules

## Add on Modules

- 60-line DSS Console

The Type A, Type B and 8IPLD terminals can have a 60 button console assigned

	DSS-A	DSS-B
Connection	4 wire (Hybrid) to 308 or 008 card	2 wire (Digital) to 082 card
Programmable Keys	60	60
Lamp colour	Red/Green	Red/Green
Capacity	9 (3 per KSU)	12 (no restriction per KSU)



## Wireless Headset Adapter (WHA)

	Type B	8IPLD
WHA Adapter	DX7-NA-WHA	APD-80



# Terminal Modules

## Add on Modules

- 60-line DT530/DT900 DSS Console

The DT530 and DT930 24CG IP terminals can have a 60 button console assigned

	DT530	DT930 24CG
Connection	2 wire (Digital) to 082 card	Direct connection to the 24CG AC adapter required
Programmable Keys	60	60
Lamp colour	Red/Green	Red/Green
Capacity	12 (no restriction per KSU)	12 (no restriction per KSU)



# Analogue Terminals

Analogue

AT50  
AT55



# AT50 & AT55 Analogue Terminals

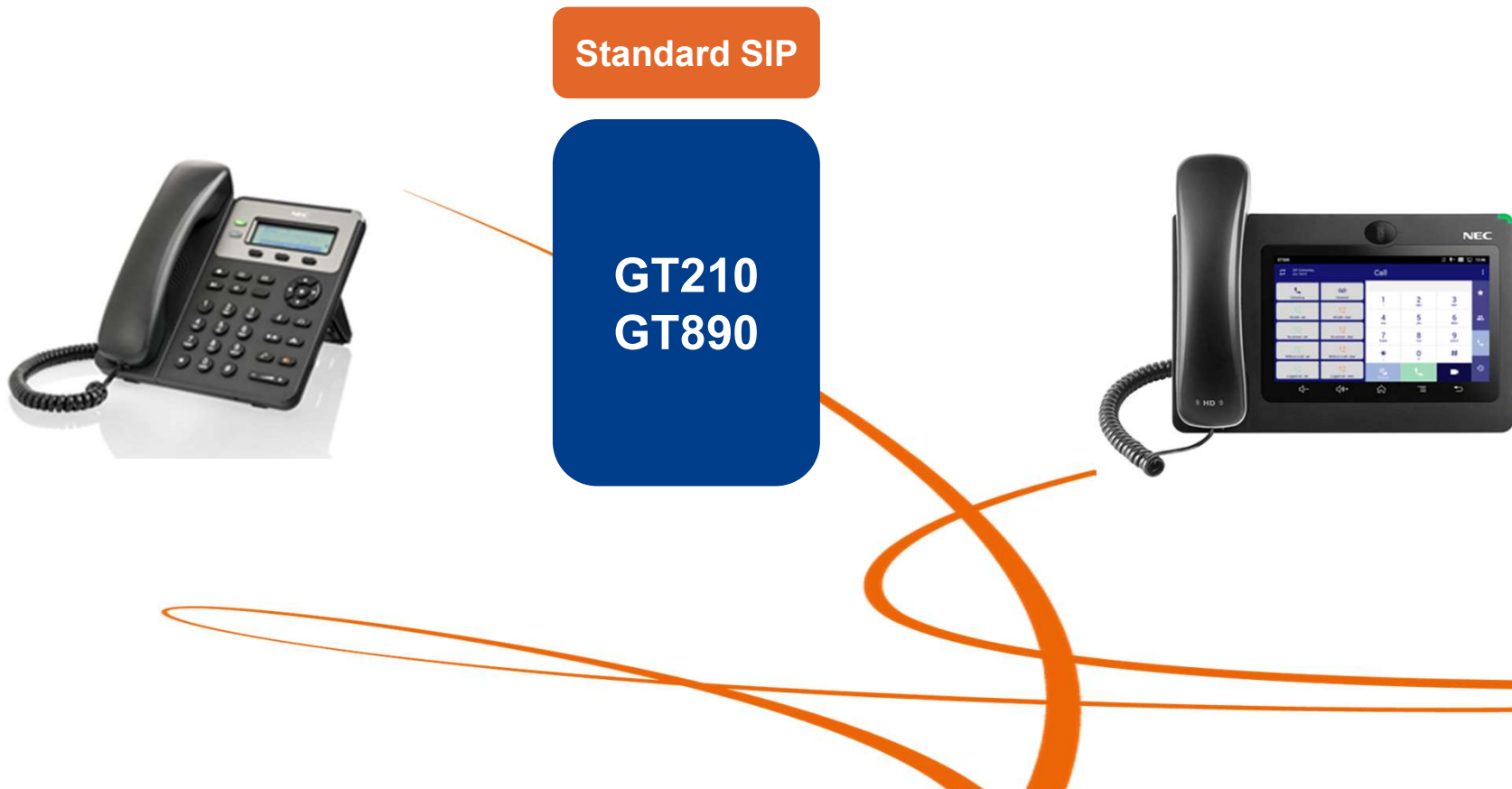
## AT50 and AT55 Analogue Terminals

Available for connection to the SL2100

	AT50	AT55
Description	Simple Caller ID phone	Multifunctional Caller ID Phone
LCD	2 x 16 digit	2 x 16 digit
Message Waiting Lamp	Yes	Yes
Handset volume control	Yes	Yes
Caller list	30	90
In use lamp	Yes	Yes
One touch speed dials	None	10
Hearing Aid Compatible	Yes	Yes
Speaker phone	No	Yes
Require batteries	No	No
Wall mountable	Yes (no bracket required)	Yes (no bracket required)
Colours available	Black/white	Black/white



# Standard SIP Terminal



# GT210 Standard SIP Terminal

## GT210 Standard SIP Terminal

The GT210 Standard SIP terminal is available for connection to the SL2100

	GT210	
License	EU909388 – SL2100 NEC SIP License	
Line Keys	2	1 SIP account supported
Soft keys	3	Context sensitive
Lamp colour	Red	Voicemail message waiting
Capacity	112	Total for all IP terminals
LAN ports	LAN & PC port	10/100Mbps
Headset	RJ9 headset jack	Plantronics EHS supported
Provisioning	Yes	XML file
Power supply	PoE (Class 2) or optional PSU	
Handsfree	Full duplex	
Phonebook	500 contacts	
Languages	Multi language	
Wall/Desk mount	2 step desk stand / wall mounting	



# GT890 UC Terminal

## GT890 UC Terminal

The GT890 UC terminal is available for connection to the SL2100

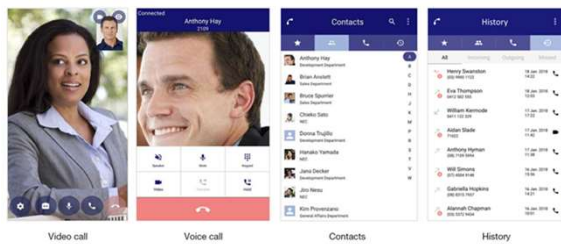
License	EU909388 – SL2100 NEC SIP License	

*Please refer to the 'GT Phones' area of BusinessNet for full details of the GT890 Android UC Terminal*

[businessnet.nec-enterprise.com/Products/Terminals-Handsets/GT-Terminals](https://businessnet.nec-enterprise.com/Products/Terminals-Handsets/GT-Terminals)



# Standard SIP Smartphone Application



Standard SIP

ST500

# ST500 Smart Mobile Application

## ST500 Smart Mobile Application

**The ST500 Smart Mobile Application is available for connection to the SL2100**

NEC's UNIVERGE ST500 is developed for Apple iPhone, iPad and Android smart devices lets you leverage native contact lists to make and receive voice and video calls. Simply connect to Wi-Fi or use your mobile data (3G/4G) to handle your calls.

	ST500	
SL2100 License	EU909388 – SL2100 NEC SIP License	
Smart Phone OS	iOS 11.0.3+ or Android 4.0.3+ (4.4 for video)	
Network	Wi-Fi, 3G/4G	
Protocol	SIP, SIPS/TLS, SRTP	SIPS/TLS is available with SL2100 R1.8 Main Software release
Call Features	Male/Answer/Call Waiting Hold/Transfer/Conference Call Park, Call Pickup, Call Forward, Call hunt groups	Bluetooth headset support Integrates with smartphone's contacts Localised dial plan
Voice calling	Codec support: OPUS, G.722.1, G.711, G.722, G.729a	
Video calling	Codec support: H.264 / AVC	
iOS Push Notification	Supported with SL2100 R1.8 Main Software release	



# Hotel Terminals

## Cetis Terminals

Analogue and SIP terminals for the hotel environment

### TeleMatrix Portfolio



### TELEDEX Teledex Portfolio



Only available to selected regions, refer to your channel manager for details

# Call Routing

# UNIVERGE SL2100 – Call Routing

## Station Groups

- Internal/external calls ring at idle members within the group

## Multi Device Groups

- Users can have more than one device under a single extension number, all devices work as one extension

## Ring Groups

- External calls ring at all members of the group
- Delayed ringing available with SL100 R2 Main Software release

## UCD

- Station Groups provide options to share calls between members of the group
- Group members can choose to log-out of the group

## Virtual Extensions

- Software extensions can be assigned to the programmable function keys and be used for incoming/outgoing call routing – giving the user multiple extension appearance

## Mobile Extension

- Your mobile phone becomes an extension on the system, calls can be made/received at the mobile phone as if it is an extension within the system

# UNIVERGE SL2100 – Call Routing

## DDI

- Direct Dial In for ISDN and SIP trunks allows flexible call routing to any group or extension
- If you're busy or the call isn't answered it can step to another extension, a group, your voicemail box or your mobile phone

## DIL

- Direct Inward Lines are used to route external calls directly to your extension

## DISA/DUD (Automated Attendant)

- External calls are answered by the system with a greeting message that prompts the caller to choose their option for call routing
- Calls can be routed to your extension number, groups, voicemail or an external number
- The user can record their own greetings or they can upload professionally recorded ones

## F-Route

- Flexible number routing allows the system to convert the dialled number and route to defined destinations, for example you may want users to dial extension 501 and the call actually dials out to a mobile phone number
- Can be used for all dialled numbers, DDI's, Automated Attendant etc

## Virtual Loopback

- Software trunks within the system can be used for almost unlimited call routing options!
- Internal or Automated Attendant calls can be routed as if it were an external call
- DDI routing can be applied to non-DDI analogue trunks

IVR

# UNIVERGE SL2100 – IVR (Interactive Voice Response)

## VRS (Voice Response System)

- 4 channels built in with 100 messages, 1 prompt language (no SD card required)
- Can be expanded to 16 channels by installing the EXIFB card
- Adding the SD card will provide multiple language selection (26 languages)

## InMail Voicemail

- CPU-C1-A has 4 channel built in voicemail with 2 hours storage, 1 prompt language (no SD card required)
- 128 User Mail boxes
- Auto-attendant functionality
- Optional choice of 15 or 120 hours storage dependent on SD card purchased, SD Card sits on the CPU
- Optional voicemail to e-mail (system license required)

## 3<sup>rd</sup> Party Voicemail Integration

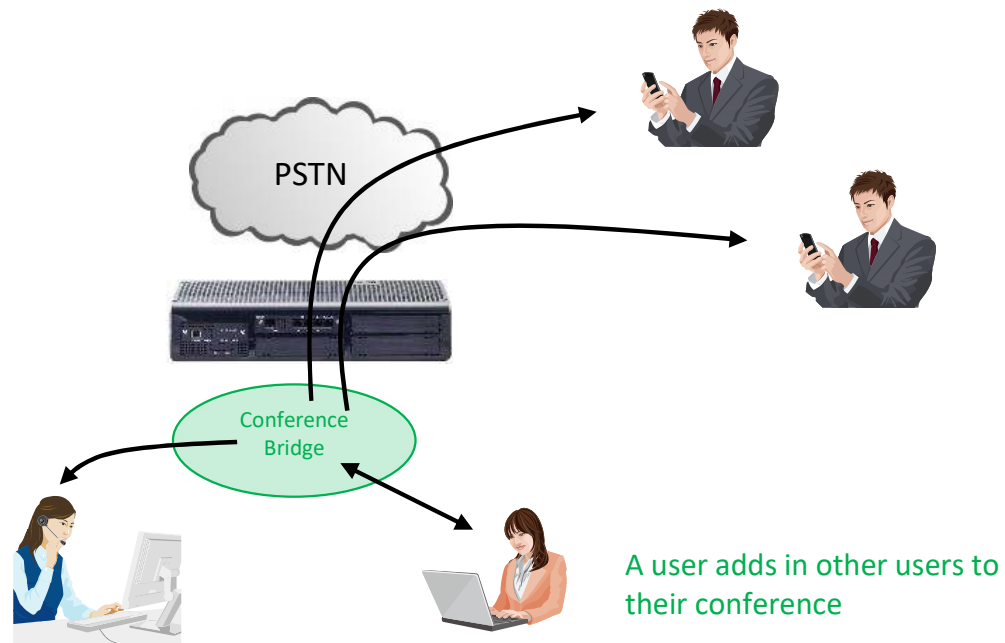
- Uses DTMF signalling on analogue ports to allow 3rd party voicemail to connect

# Conferencing

# UNIVERGE SL2100 – Conferencing

## Conference

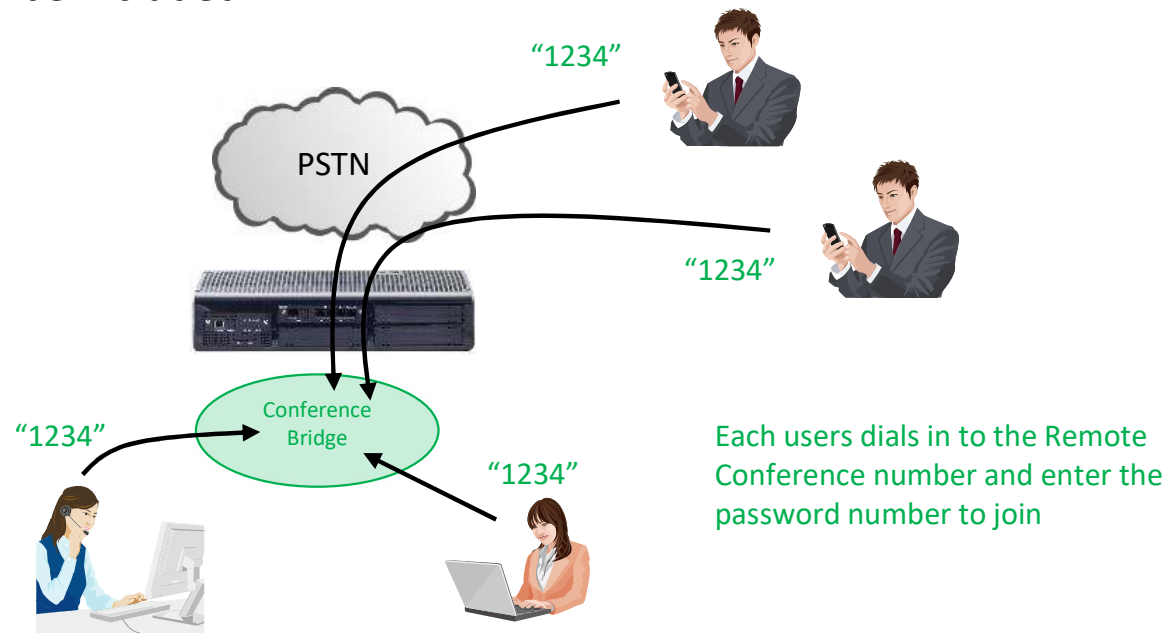
Add in other users into your call to create a conference call. Up to 16 internal/external users can be included.



# UNIVERGE SL2100 – Conferencing

## Remote Conference

Each user dials the Remote Conference pilot number to create a conference call. Up to 16 internal/external users can be included.



# UNIVERGE SL2100 – Conferencing

## Web Video Conferencing

Video conferencing, document & screen sharing for up to 32 (4 groups of 8 users).  
Direct connection from the SL2100 via your browser.

- Highly cost-effective solution
- Uses secure connectivity
- Works via Google Chrome or Internet Explorer v11 on a Windows based PC or Android device



# Hospitality

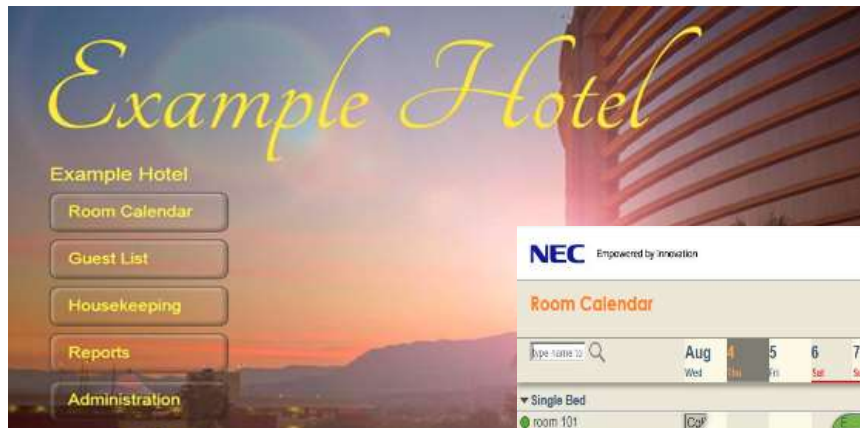
# UNIVERGE SL2100 – Hospitality

## InHotel

Hotel Front Of House (FOH) run directly from the SL2100 via browser (Chrome, Firefox, Internet Explorer 11, Edge).

Perfectly suited to the smaller hotel where value is key.

Room booking, billing & hotel administration



NEC Empowered by Innovation

Room Calendar

Type name to search

	Aug	4	5	6	7	8	9	10	11	12	13	14	15
	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
▼ Single Bed													
● room 101		Col							Adrian Bowdley				James Ca
○ room 102				Basia Oliver					Ve		Basia Oliver		
○ room 103				Nicol Payne					Clinton Wyatt			Colin Wa	
► Double Bed													
Available		2	1	1	0	3	2	0	0	2	2	2	1
► Suite													
Available		3	1	0	1	2	3	2	1	1	3	2	1

Guest Lists

Type name to search

Reservations

Arrivals Today

Inhouse Guests

- Fletcher, Christian
- McKenna, Grace
- Aubrey, Jack
- Ravenwood, Marion
- de Pacas, Pedro (Laburnum)

Room "Laburnum"

Arrival	2016-07-31
Departure	2016-08-03
Status Inspected DND	07:55
Room Status	Cleaned & Inspected
Do-not-Disturb	Not set
Wake-Up Call	07:55

Contact Data

Messages

- 09:40 Your Secretary I'll send you the papers
- 12:21 future@nec.com You may receive e-mails
- 14:20 UPS A parcel arrived for you

Folio

03:00	Business Package	+105.00€
03:00	Dinner	15.00€
03:00	Room Rate	65.00€
03:00	Breakfast	9.00€
03:00	Room Rate	+65.00€
07:42	Breakfast	+9.00€
10:42	Minibar Peanuts	+2.00€
10:42	Minibar Golden Apple	+3.00€

# UNIVERGE SL2100 – Hospitality

## **InHotel Property Management Features:**

- Up to 64 rooms (4 & 16 room licenses available)
- Room allocation - See current and future guests on a colour coded calendar view
- Jump to date - Quick access to any future date
- Guest filter - Easily find a guest reservation or stay using the filters
- Room Management - See colour coded status of all rooms (clean/dirty/out of order)
- Folio Management - Add charges for services and products to guest folio
- Invoice Generation - Complete invoice generation for room nights, services & telephone calls
- Message Service - Capture messages for guests with automatic room notification
- Flexible Room Rates - Based on calendar dates or days of week
- Multiple Connections – No license for additional connections, folio items can be added by housekeeping or restaurant
- Guest Stay Information – Capture information about the guest, contact details and stay reasons; opportunity to build CRM database of guests
- Custom Products & Services – Can be created & added to guest folio

# UNIVERGE SL2100 – Hospitality

## **InHotel Telephony Features**

- Checkin/Checkout Functions – Automatically control telephone restrictions
- Guest Name Display – Guest name is transferred when the guest checks in, displayed on reception phone when a call is received from the room
- Telephone Billing – All calls are captured and billed against the guest folio
- Flexible Rates – Custom rates can be configured to allow the hotel to set their own call rates
- Multiple Telephones – Multiple telephones can be grouped into a single room and billed to a single guest stay
- Hotelier Control – The hotelier can set call restrictions (local only/local & national/ international), block room to room calls and set Do Not Disturb feature from the hotel console
- Centralised Wakeup Call Management – Wakeup calls can be set by the guest or hotelier & managed, modified or cancelled within InHotel

# UNIVERGE SL2100 – Hospitality

## Voice Mail Options for Hospitality

### ● InMail

- Built in InMail on the CPU-C1-A has 4 channels & 2 hour storage
- Adding the SDVMS card provides 15 hours storage

On room check-in, the guest mailbox:

- Cleared of messages
- Mailbox language is reverted to default
- Mailbox greetings are erased
- Room name is deleted
- Security code is deleted



# UNIVERGE SL2100 – Hospitality

## CETIS

Large terminal range for the hotel environment

Brand	Model	Analogue	SIP	Photo
Telematrix	3100 series	Yes	No	
Telematrix	3300 series	Yes	Yes	
Telematrix	9600 series	Yes	Yes	
Teledex	Diamond series	Yes	No	
Teledex	E series E-series with USB	Yes 2016	Yes 2016	
Teledex	I series	Yes	Yes	
Teledex	Opal series	Yes	No	
Teledex	M series	Yes	No (2016)	

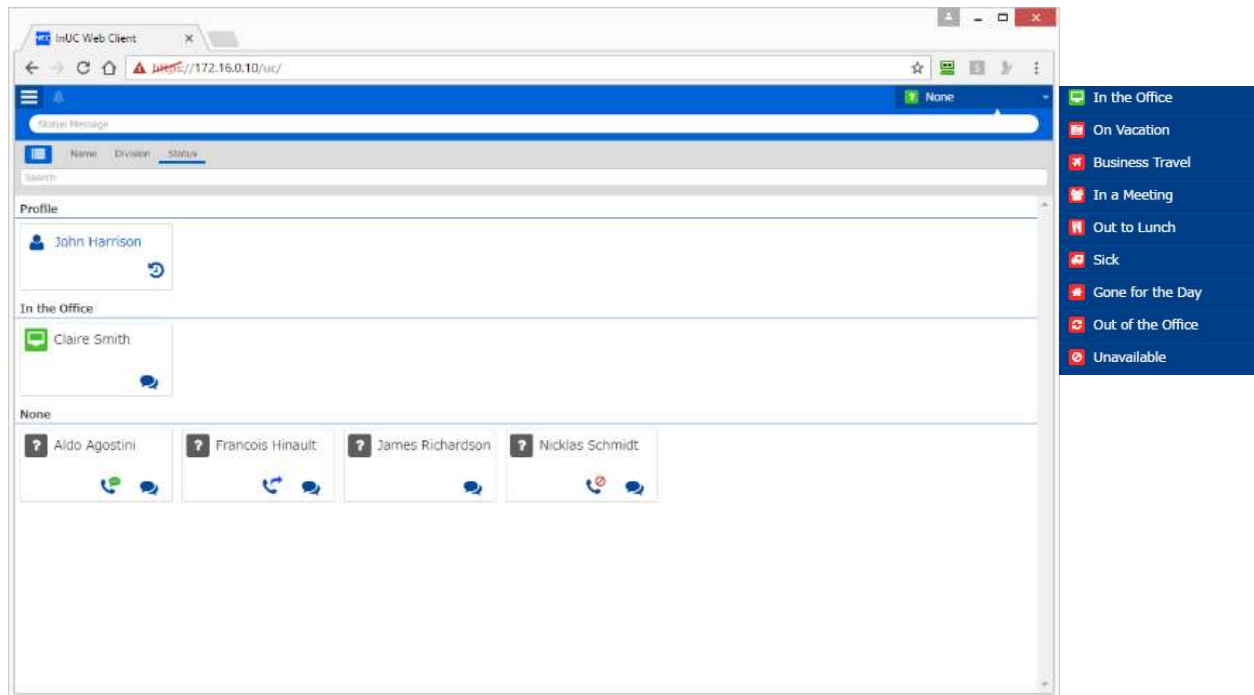
Selected regions only

# Unified Communication (UC)

# UNIVERGE SL2100 – UC

## InUC

- The InUC Client application is accessed directly from the SL2100 using a browser.
- Offering Presence, Busy Lamp (BLF), Instant Messaging (IM), Deskphone Control and Browser Phone.
- Easy access to the web video conferencing and screen sharing



# Operator Console

# UNIVERGE SL2100 – Operator

## Phone + DSS console

- Still the preferred method of working by traditionalists
- Each key representing an extension, showing its status (BLF). A single press calls the extension
- Options for digital or IP terminal support



## Phone

- For smaller size systems the DSS console may not be required.
- The same DSS functionality can be found on the Programmable Function keys on the 12 & 24 button terminals



# Call Logging/Reporting

# UNIVERGE SL2100 – Call Logging/Reporting

## InReports

- InReports is a reporting application giving you vital statistics on the effectiveness of your telephone system.
- Call Lists, Reports, Graphical Data and Wallboards can be viewed in a Web Browser!
- As the application runs on the system, no external server is required to access the data!
- All of the data in InReports can be exported to a csv file to allow detailed data manipulation.
- Calls are stored for a maximum of 1 year (selectable period) and any calls over this age are automatically deleted.



# UNIVERGE SL2100 – Call Logging/Reporting

## MyCalls Call Manager

- A '**real-time**' view of call activity in easy to view screen display and report formats
- How many calls received
- How many calls **abandoned**
- How many calls **made**
- How many staff **available** to answer calls
- Conversation length and more
- Call statistics & Alarms



Call Manager functionality such as:

- Multiple users
- Call Recording Module support
- More reports
- Customisable reports
- Report scheduling
- Call costing
- Alarms

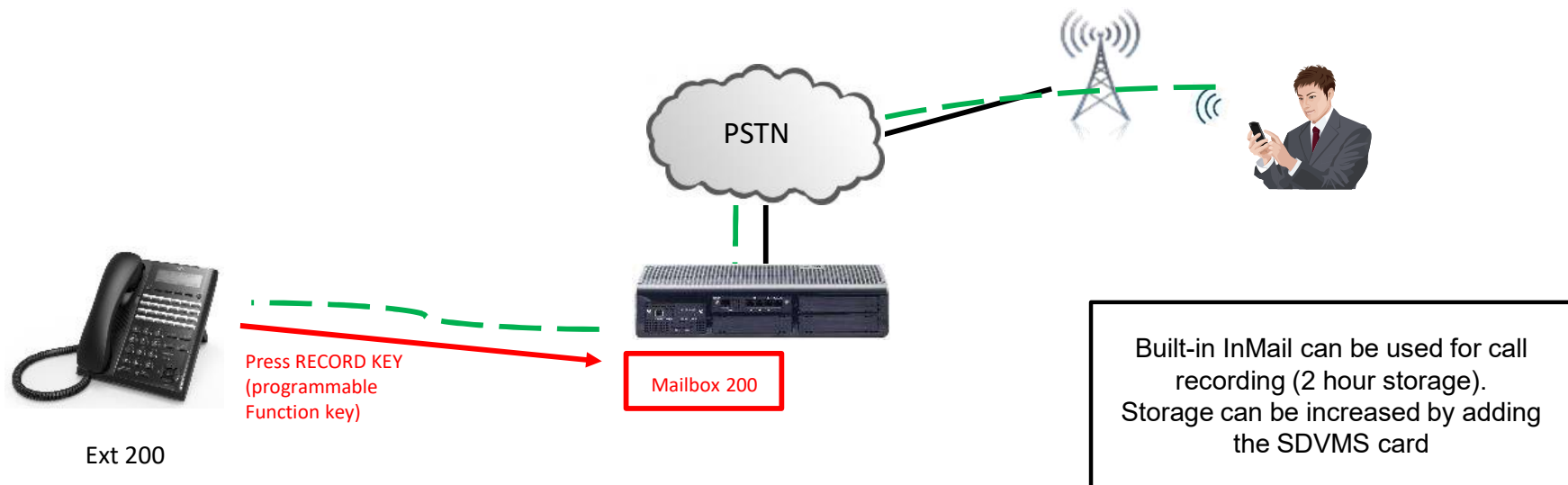
# Call Recording

# UNIVERGE SL2100 – Call Recording

## InMail

Calls can be recorded into a user's mailbox, either automatically, or by pressing a record key.

The voicemail can be listened to by calling the Voicemail, or InMail can e-mail the message to your e-mail address, the automatic message delete option will keep the InMail storage capacity available.



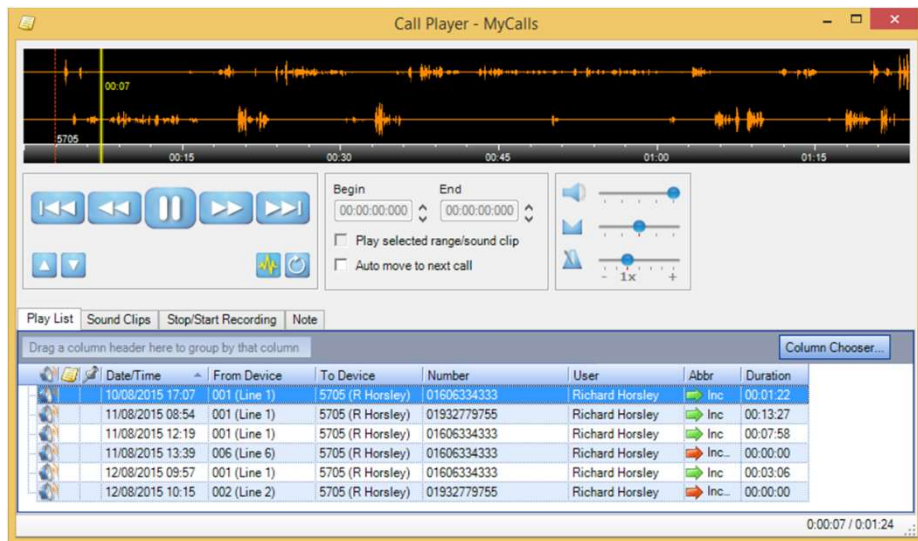
# UNIVERGE SL2100 – Call Recording

## MyCalls

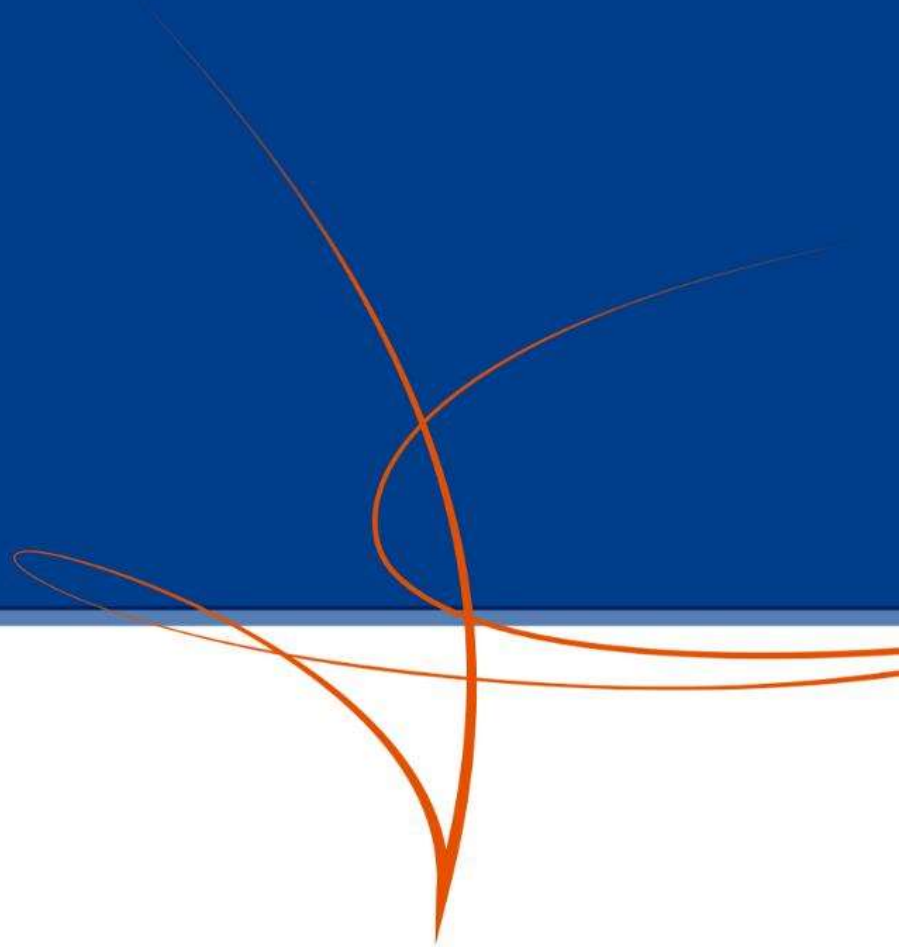
Record all your external calls via MyCalls Call Recorder.

As part of the MyCalls suite and built on the Call manager it gives a single interface for all reports and recordings, making search and find very easy.

Supports SIP trunks.



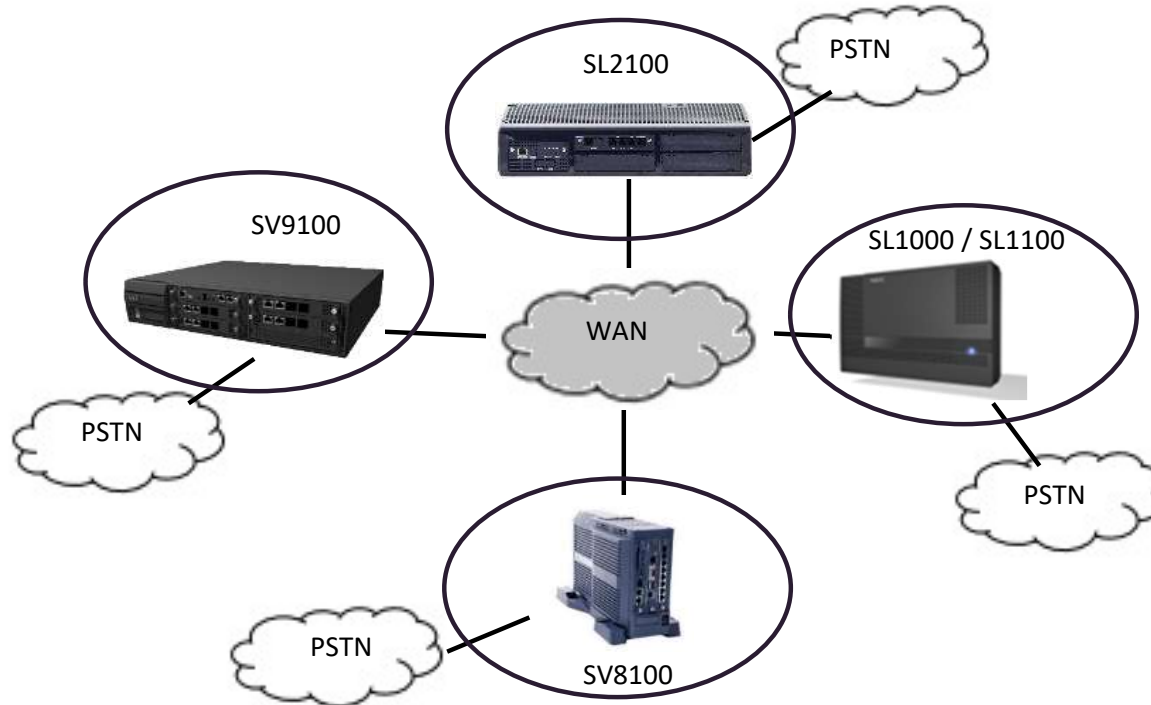
# Networking



# UNIVERGE SL2100 – Networking

## SIP Networking

Using SIP Trunks in networking mode allows much better connectivity options in terms of platforms in the network. Up to 1000 connections are available.



# UNIVERGE SL2100 – Networking

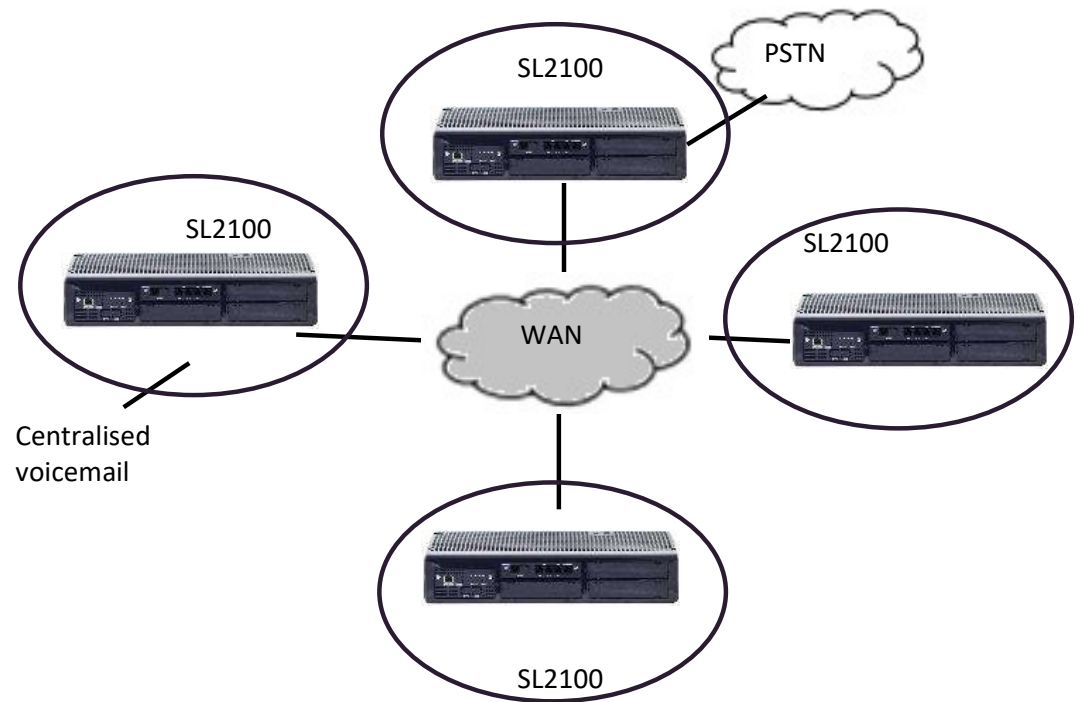
## SLNet Networking

Using SLNet Networking provides these features

- Up to 50 nodes are available
- Centralised voicemail
- Desk to Desk dialling with Caller ID and name
- Sharing trunk lines at remote systems
- Extension busy lamp information
- Shared Park Hold orbits

Available for SL2100 systems only

Point to Point connection required (eg VPN, MPLS)

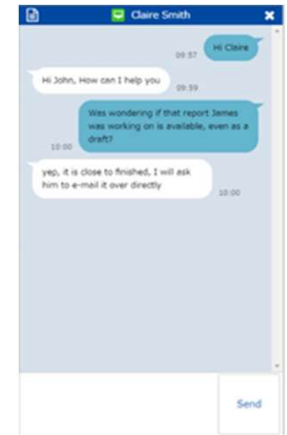
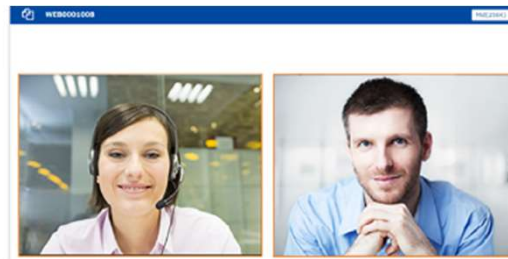
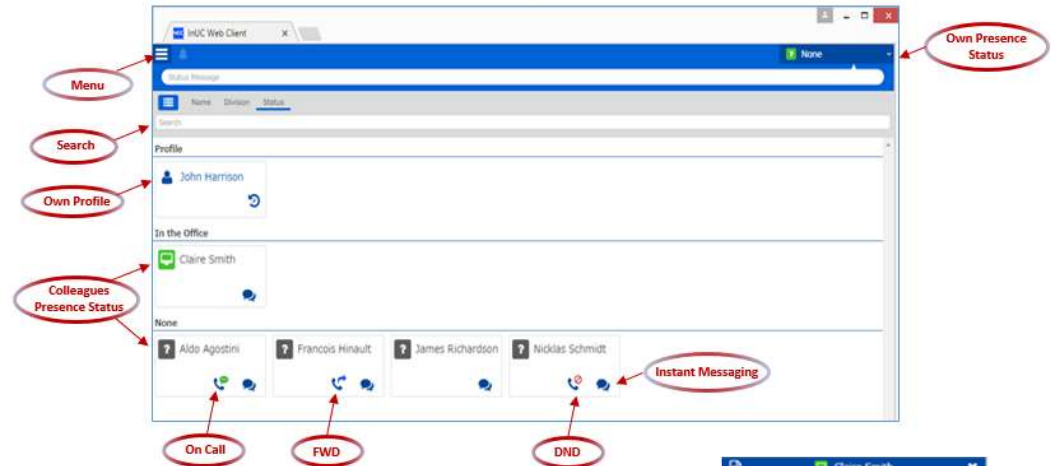


SL2100 InUC

# SL2100 InUC

## InUC client

- Web Browser interface
  - No Server required
  - No Application install
  - Chrome and IE11 for Windows
  - Chrome for Android OS
- In-UC Presence, Editable buddy list, BLF
- Instant Messaging
- E-mail functionality
- Display of Speed dial list
- Web Video Conference easy access
- Multicast Message
- Multicast Mail



IP DECT

# UNIVERGE IP DECT

## IP DECT on the SL2100

- Take advantage of the 8 built in IP resources
- IP DECT Lite Manager does not require a PC on site
  - Up to 10 low cost AP400S Access Points or up to 32 AP400C/E Access Points
  - Up to 16 DECT handsets\* (typical quantity based on fair usage with the 8 built in IP resources)
  - DECT handsets require SL2100 licenses (CPU-C1-A has 4 IP extension licenses included)
- Use Multi Device Group if the user wants a desk phone plus DECT handset with a single extension number
- InDECT Easy IPDECT Installation available for SL2100

\* Quantity of DECT handsets can be increased up to the maximum of 64, but it is recommended that the optional VOIP card and IP Resource license(s) are installed to provide additional IP resources.

# UNIVERGE IP DECT Access Points



The AP400 comes available in the following types:

- AP400S – Very low cost unit, typically for SL2100
- AP400C – Lower cost SMB product
- AP400E – External version of AP400

	SL2100				
	IP DECT Lite Manager		IP DECT Full DAP Manager		
Type of AP	AP400S	AP400C (AP400/E)	AP400S	AP400C	AP400 (E)
# Access Points	10	32	10	256	256
# Handsets	64	64	112	112	112

# UNIVERGE IP DECT handsets

## DECT Handsets

Full range of DECT handsets to fit all requirements:



IP DECT

G277  
G577  
I766  
M166



# UNIVERGE IP DECT handsets

## DECT Handsets

### Comparison of Handset types:

Note – all features may not be available when InDECT is used, for example alarming, messaging, location detection.

For these a Full DAP Manager installation would be required.



M166
DECT
Loudspeaker / headset
Trembler
HD-Voice
SOS
2 keys for SOS (message//number)
Pull-cord
Elpas DLA

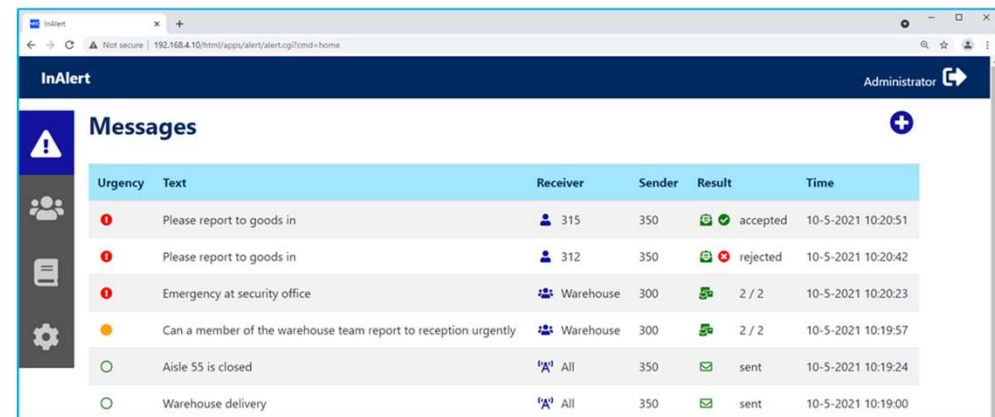


G277	G577/G577h	I766/I766Ex
IP40 - office	IP65 – healthcare	IP65 - industry
Loudspeaker / headset / trembler	Loudspeaker / headset / trembler	Loudspeaker / headset / trembler Ambient noise reduction (2nd Mic.)
microSD, USB-C	microSD, USB-C, Bluetooth (BLE)	microSD, Micro USB, Bluetooth (BLE)
HD-Voice	HD-Voice	HD-Voice
1.8" display	2.0" high resolution display	2.4" hi-res display
	Full Alarming / Messaging	Full Alarming /Messaging
	4 programmable keys Multi-line/ISIP option	4 programmable keys Multi-line/ISIP option
	Bluetooth (BLE)	Pull cord, Man-down, No movement
	G577h anti-bacterial	
		I766Ex version, Elpas DLA localization
SOS by function key	Large SOS key	Large SOS key
128x49x21 mm, 130gr	128x49x21 mm, 144gr	145x55x24 mm, 181gr

# InAlert

## InAlert:

- In adds DECT messaging to alert staff in case of emergencies
- Messages can be entered via a browser interface and delivered to group of DECT handsets (G577/h or I766)
- Handsets can confirm the message and this is logged in InAlert
- It is fully integrated with SL2100, no additional equipment or services required
- It offers a browser-interface with a very simple dialogue (few key-clicks) to DECT group messaging, with availability of pre-defined messages
- DECT handset users can accept (confirm) or reject the message; this is logged in InAlert allowing the initiator to understand if the message has been read by the users and for analysis later



The screenshot shows the InAlert web interface. The browser address bar indicates the URL is 192.168.4.10/html/apps/alert/alert.cgi?cmd=home. The page title is 'InAlert' and the user is logged in as 'Administrator'. The main section is titled 'Messages' and contains a table with the following data:

Urgency	Text	Receiver	Sender	Result	Time
🔴	Please report to goods in	👤 315	350	✅ accepted	10-5-2021 10:20:51
🔴	Please report to goods in	👤 312	350	❌ rejected	10-5-2021 10:20:42
🔴	Emergency at security office	👤 Warehouse	300	✅ 2 / 2	10-5-2021 10:20:23
🟡	Can a member of the warehouse team report to reception urgently	👤 Warehouse	300	✅ 2 / 2	10-5-2021 10:19:57
🟢	Aisle 55 is closed	👤 All	350	✅ sent	10-5-2021 10:19:24
🟢	Warehouse delivery	👤 All	350	✅ sent	10-5-2021 10:19:00

# WiFi handsets

# WiFi handset Spectralink 8400

## Spectralink 8400

Spectralink Wireless handsets improve productivity and responsiveness for on-site mobile professionals

- 8400 Series – 8440 handset only
- Succeeding MH150/160
  - Standard SIP protocol only (no ISIP/NSIP)
  - No SVP server
  - OAI server supported mainly for backward compatibility
- Handsets will not be rebranded to NEC
- NEC portfolio: black versions, no Lync support
- XML integration with applications (like messaging and central directory)
- Standard SIP protocol Display
  - 2.2" (55.9 mm) - 240x320 res. - 65,000 colour palette
- Buttons
- Push-to-TalkPanic/Duress



# UNIVERGE Mobile Extensions

# Mobile Extension

## Mobile Extension

By assigning your mobile number to system extension port (mobile extension port) it can be used as if it were an extension directly connected to the system.

Mobile Extension does not require any application on your phone or data connectivity (eg 3G/4G or WiFi)

Benefits:

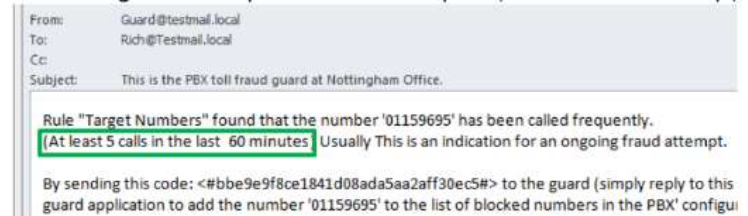
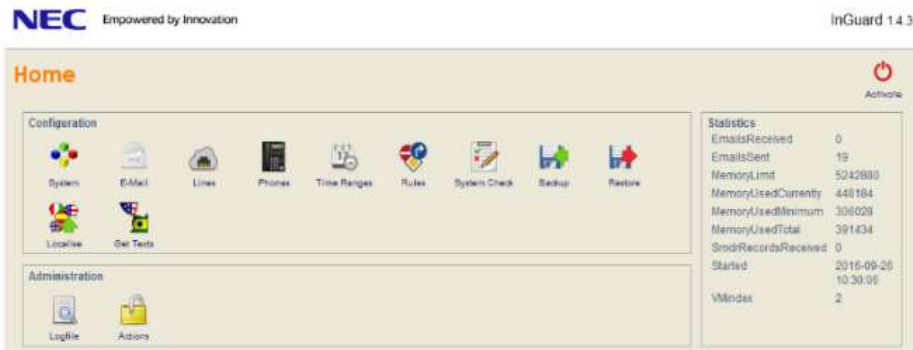
- The mobile can call in to the system to make calls to other extensions, or even perform service code functionality.
- Can use the SL2100 call routing options (Ring Groups, Station Groups etc)
- Give single contact number to your customers (ie your office DDI number) so you are always contactable
- Place calls from your mobile via the SL2100 and customers will see your office number as their Caller ID
- Incoming caller's Caller ID can be passed to your mobile (if supported by your SIP Network provider)
- The Mobile Extension can be any phone number, does not need to be a mobile phone, so you could have your home phone setup as your 'Mobile Extension'

# Security and Encryption

# UNIVERGE SL2100 – Security

## InGuard

The Toll Fraud Guard is an active call monitoring application that can be used to help prevent toll fraud from happening. The guard runs on the SL2100 and is accessed via a web browser, therefore no server required. When potential fraudulent activity takes place the guard can send email notifications to users informing them of the suspicion.



The **System Health Check** is a built in feature that can look at the configuration of the PBX and show if any areas may leave the PBX vulnerable to attack in different ways. This can prompt an installer to make sure adequate precautions are taken when enabling features on the system. Each of the checks will be displayed green, yellow or red depending on the result of the test.



# UNIVERGE SL2100 – Security

## MyCalls

Alarms can notify you to potential issues on the SL2100.

Alarms Types:

- System Alarm - will notify you when there has been no SMDR output for a number of minutes.
- Emergency Alarm - will notify if a user dials an emergency number.
- Call Rate Alarm - will notify you if the number of incoming, abandoned or outgoing call rate over the last hour goes under or over a certain amount, example:
  - Over 20 abandoned calls in the last hour.
  - Under 100 outgoing calls per hour.
  - Over 50 incoming calls per hour.

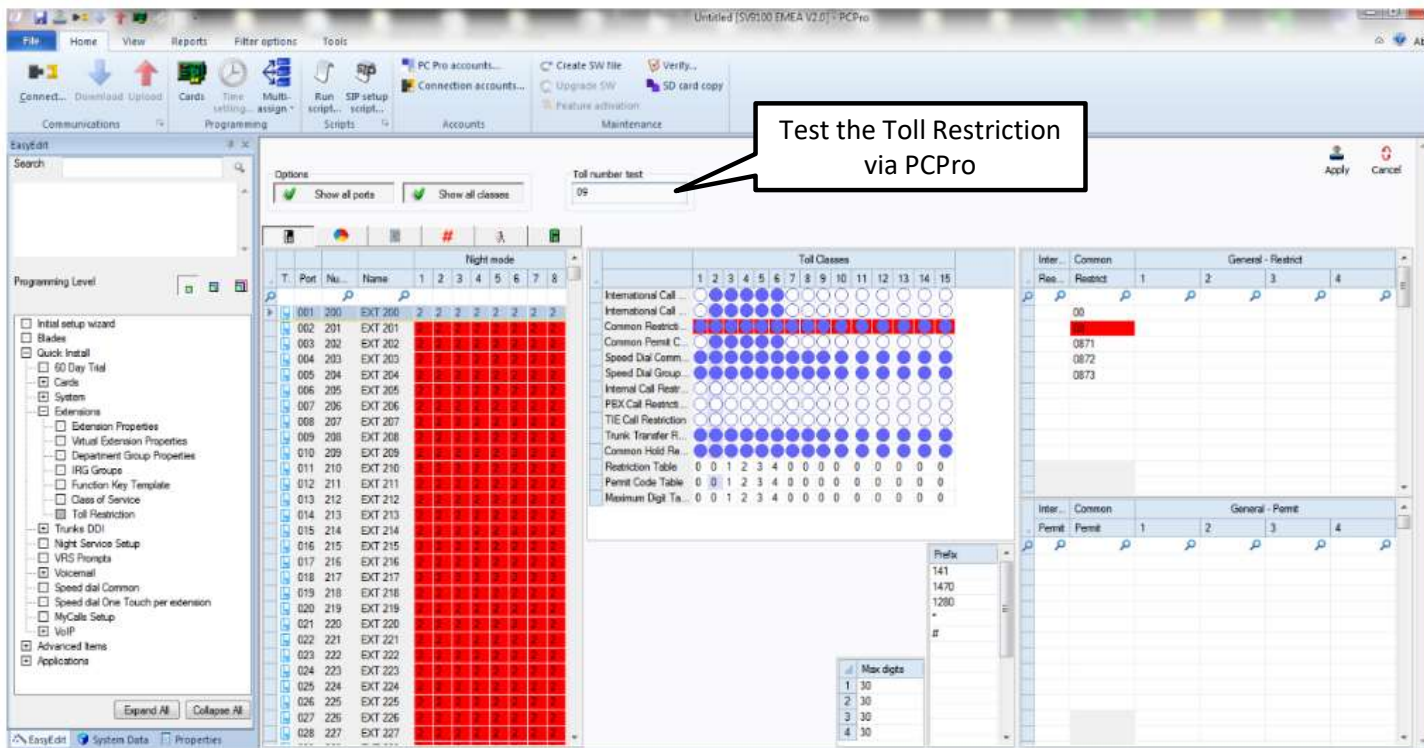
Alarms are sent to the MyCalls application or can be sent as SMS messages.



# UNIVERGE SL2100 – Security

## Toll Restriction

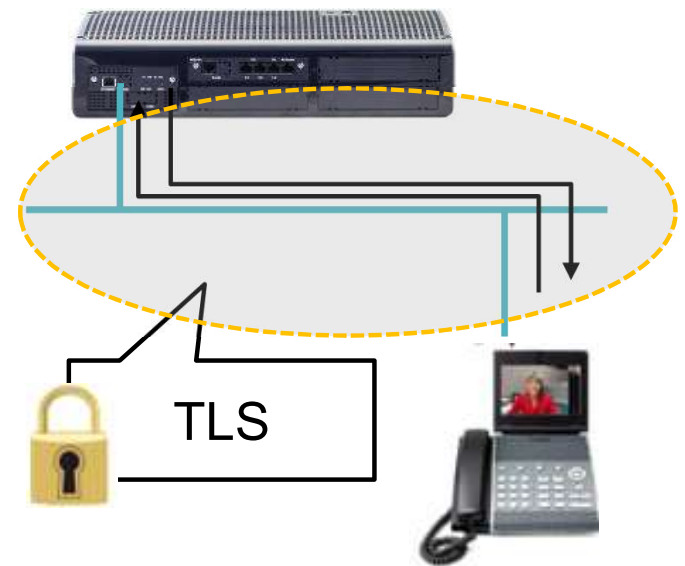
Quick and easy overview of all the toll restrictions for all extensions.  
Even test how an outbound number would be treated:



# UNIVERGE SL2100 – Encryption

## Encryption

- TLS SIP Trunks and Extensions
  - (TLS for Standard SIP Extensions added SL2100 R1.8 Main Software release)
- sRTP
- NEC SIP Extensions
  - (TLS for Standard SIP Extensions added SL2100 R1.8 Main Software release)

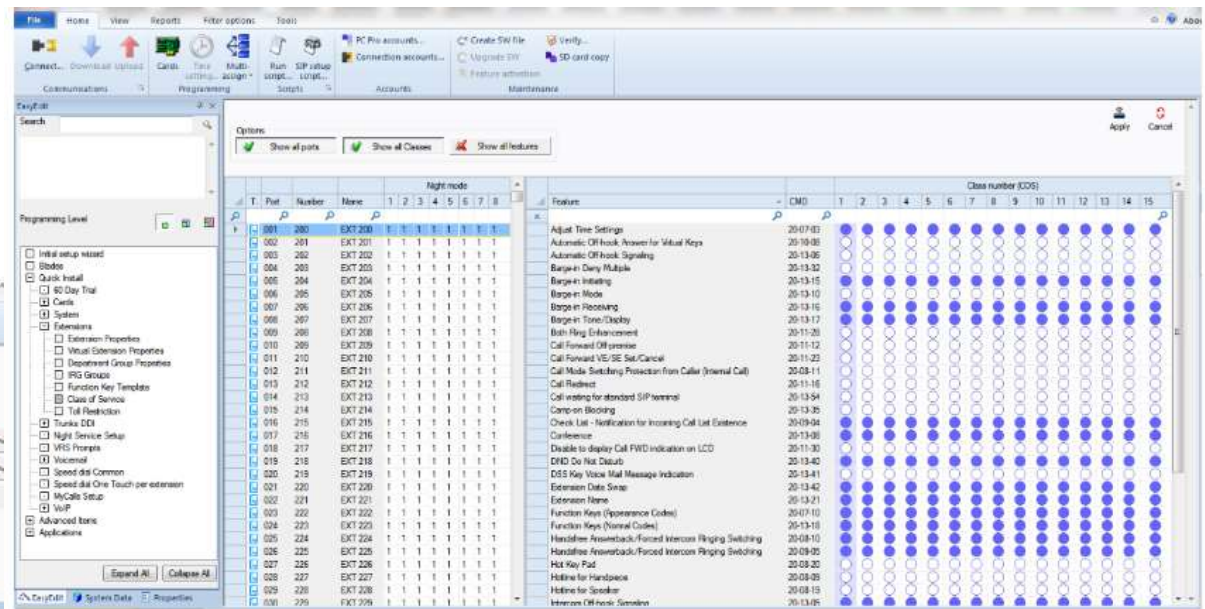


# Maintenance

# UNIVERGE SL2100 – Maintenance

## PcPro

- Application allowing enhanced programming functionality with ease
- Allow offline programming so can build up a site configuration anywhere, anytime
- Configuration backup and upload to another system
- Initial Setup wizard for quick installation of the system



# UNIVERGE SL2100 – Maintenance

## WebPro

The screenshot shows the 'System Data' configuration page for '24-09: Call Forwarding Fixed Settings'. On the left is a 'Memory Blocks (Group By Id)' sidebar with a search bar and a list of system options including System Configuration, Night Mode Service, Speed Dialing, Extension Setup, System Options, Outgoing Call Service, Incoming Call Service, Hold/Transfer Service, System Options for Hold, Call Forwarding Fixed Settings, VMS/DSSA Service, DSS/DLS Consoles, Doorphones and Sensors, Voice Recording System, Automatic Call Distribution, and Maintenance Command. The main area has a title bar with 'Apply', 'Refresh', 'Home', 'Copy', and 'Copy Group' buttons. Below the title bar is a dropdown for 'ICM Extension' set to '1000: MLT > Range > Port 001'. The configuration table has 7 rows for different call forwarding types (01-07). Row 01 is 'Call Forward Type' with a dropdown set to 'No Call Forward'. Rows 02-07 are for various call forwarding destinations (CO, Intercom, Intercom Busy, CTX/PBX, etc.). A note at the bottom states: 'Valid characters are 0-9, \*, \*, P, R, @, P=Pause, R=hookflash, @=Wildcard. Use Program 24-09: Call Forward Sdk Settings to assign Call Forwarding Type and the destination numbers for each extension/virtual extension. The destination can be up to 24 digits long, using 0-9, \*, # and P (pause). Be sure to include the trunk access code (e.g. 9) in the number if the destination is off-premise.'

Make changes to the system configuration via Web browser

## UserPro

The screenshot shows the 'Telephone Setting' configuration page for 'Function Key Assignment'. It has tabs for 'Feature Setup', 'Function Key Assignment' (selected), 'Virtual Extension Ring Assignment', and 'One Touch Key Assignment'. Below the tabs is a dropdown for '[Extension 101]'. The main area is a table with 8 rows for function key assignments. The columns are 'Function Key', 'Function', 'Additional Data', and 'Line Key Name'. The table data is as follows:

Function Key	Function	Additional Data	Line Key Name
01	*01 - Trunk Key	1	CO 001
02	*01 - Trunk Key	2	CO 002
03	*01 - Trunk Key	4	CO 4
04	03 - DSS/One Touch	105	105
05	03 - DSS/One Touch	100	100
06	None		
07	03 - DSS/One Touch	102	102
08	None		

Make changes to a user configuration via Web browser

# UNIVERGE SL2100 – Maintenance

- TelPro
- Diagnostics Interface
- Alarming



Make changes to a user configuration via NEC terminal (TelPro)



DDM Trace Command Control			
Service Name	Trace Command Operation	Trace Status	DDM Command Reference
CAPS	Disable	----	mail in 0 0 0 0
Call Control	Disable	----	mail in 0 0 1 2
ISDN	Disable	----	path debug on / path debug off
PATH	Disable	----	mail in 0 diff 1 1 / mail in 0 diff 0 1
InMail / APSU	Disable	----	vmoud 1 15
InMail detail	Disable	----	cygnet dp 1 / cygnet dp 0
Netlink	Disable	----	voipcodebug 0 1 / voipcodebug 0 0
SIP Trunk	Disable	----	voipcodebug 5 1 / voipcodebug 5 0
STD SIP	Disable	----	

Select items to monitor for Diagnostics interface

<< Alarm Report						05/16/2006 14:30 PAGE 001			
LVL	NO	STAT	DATE	TIME	ITEM	UNIT	SLT	PRT	PARAMETER
MIN	0002	REC	05/16/06	14:21	PKG	PRT	02	00	
					Installation				
MAJ	0010	ERR	05/16/06	14:21	ISDN Link	PRT	02	12	
MAJ	0010	REC	05/16/06	14:21	ISDN Link	PRT	02	12	
MIN	0002	ERR	05/16/06	14:33	PKG	PRT	02	00	
					Installation				
MIN	0002	ERR	05/16/06	14:33	PKG	ESI	05	00	
					Installation				
MIN	0002	ERR	05/16/06	14:33	PKG	SLIB	07	00	
					Installation				

System alarm report

# 10 Business Benefits of the SL2100

SL2100 **Orchestrating a brighter world** **NEC**

## 10 Business Benefits of the NEC SL2100

The SL2100 Communications System works at a number of levels: a cost-effective VoIP enabled phone system, an easily expanded solution with entry-level unified communications or a reliable TDM based PBX with excellent upgrade potential.

- 1** **Enjoy Built-in Brilliance**  
 The SL2100 has more features built-in saving you on cost, maintenance and hassle!
  - > A cost-effective, feature-rich VoIP enabled phone system
  - > Less licences, less hardware and less wires to pay for
  - > Easily expanded with incremental upgrades which grow with your business
- 2** **Unify your Communications**  
 Out-of-the-box Unified Communications are now available for small business
  - > InUC – provides Video conferencing, presence, IM & document share
  - > Affordable collaboration for up to 32 users
  - > BYOD – capitalise on existing hardware investments
- 3** **Stay Secure**  
 Protect your team, protect your premises, protect your business
  - > Effective 24/7 defence against toll fraud with InGuard
  - > See who's calling with the Video Doorphone: monitor your entrance from your desktop
  - > Stay safe with the SOS/Panic button on IP DECTs
- 4** **Lower your costs**  
 Powerful communications for a small business budget
  - > Premises-based (as opposed to hosted) – avoid recurring monthly subscription costs
  - > Save on travel costs & time with InUC collaboration calls
  - > All InApps are built-in to the system – save on extra hardware costs & maintenance
- 5** **Increase your productivity**  
 Sophisticated solution, simple to use
  - > Save time with speed dial & shortcut keys to speed Workflow
  - > Keep your whole team reachable – find the company expert for that crucial enquiry
  - > Calls can be automatically routed to right person without the need for receptionist intervention
- 6** **Future-proof your business**  
 Value for money and tailored to your needs
  - > A scalable solution to provide optimum investment
  - > Technology that can expand and grow with your company
  - > Add extra applications when you need them
- 7** **Track your team's call activity**  
 System features and applications to make management easier
  - > My Calls Call Recorder provides secure call recording – ideal for resolving disputes and training staff
  - > Monitor and manage call activity of the business from your desktop with MyCalls InReports
  - > Busy Lamp Field keys allow you to see the call status of your team
- 8** **Transform your Customer Service**  
 Increase your customer service levels and you'll increase your business
  - > Deal with spikes in call traffic more effectively
  - > Caller ID displayed on handset to help you offer a more personalised greeting
  - > Mobility solutions for quicker customer responses wherever you are
- 9** **Get Mobile**  
 Keep your team reachable no matter their location
  - > Homeworkers can enjoy a complete phone user experience from their home office
  - > NEC DECT provide true on-site mobility for even the most challenging environments
  - > Mobile Extension keeps your team in touch while on the road with a single number reach
- 10** **Keep up to date effortlessly**  
 Never miss a thing with easy access to key information
  - > Voicemail alerts delivered to your mobile, desk phone, home phone or as an email
  - > Summary reports of call performance delivered automatically to MD at end of working day
  - > InReports wallboard provides 24/7 communication performance

www.NECSL2100.com

SL2100

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For further information please contact your local NEC representative:

<b>EMEA (Europe, Middle East, Africa)</b> NEC Enterprise Solutions <a href="http://www.nec-enterprise.com">www.nec-enterprise.com</a>	<b>North America (USA)</b> NEC Corporation of America <a href="http://www.necusa.com">www.necusa.com</a>	<b>Australia</b> NEC Australia Pty Ltd <a href="http://www.nec.com.au">www.nec.com.au</a>	<b>Asia Pacific (APJ)</b> NEC Asia Pacific <a href="http://www.nec.com.sg">www.nec.com.sg</a>	<b>Corporate Headquarters (Japan)</b> NEC Corporation <a href="http://www.nec.com">www.nec.com</a>
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# 7 great reasons to become an NEC Business Partner

## 7 great reasons to become an NEC Business Partner

Did you know:  
NEC sell a system  
every 7 minutes  
in EMEA



1



### Comprehensive Communication & IT Portfolio

- > Communication solutions from 5 users to 100s of 1000s!
- > IT solutions from servers, storage, networks and more
- > Complete technical & sales support for comms & IT from a single point of contact

### Dedicated sales support

- > Field-based account managers for the whole of the UK
- > Over 100 years collective comms & IT experience
- > Extensive Marketing support

2



3



### Purpose-built demo suite

- > Available for free reseller/end-user presentations
- > Technical and sales support on demonstrations

# 7 great reasons to become an NEC Business Partner

## Global stability

- > Established in 1899
- > Financially stable global enterprise
- > No. 1 in Global Enterprise Communications market (MZA report - Q4 2015)

4



## Logistics you can rely on

- > UK based warehouse and logistics
- > Next day delivery
- > Licensing made easy - available 24/7

## Dedicated technical support

- > 100% UK based
- > Unsurpassed levels of telephone and online support
- > Experienced, highly responsive team

6



## Fast-track training

- > Over 180 courses and 270 training days per year
- > Fast track training for over 500 successful trainees every year
- > Purpose-built facilities plus external webinar training available

# Why NEC?

NEC is a financially stable global enterprise. As an Information and Communications Technology leader, NEC brings together and integrates technology and expertise to create the ICT-enabled society of tomorrow.



Global No.1 on a regular basis for  
sub 100 extensions PBX/IP PBX



7 minutes How often an  
NEC SMB system is sold



99,000+  
Team Members Worldwide



100 years+ of Expertise



64,000+ Patents

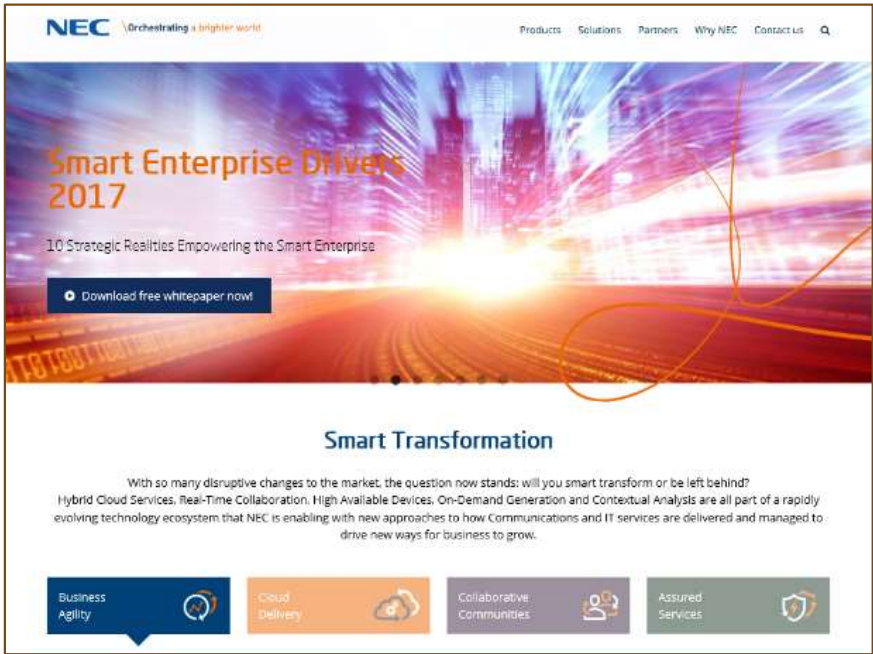


Top 50 Innovative Company

# More Information

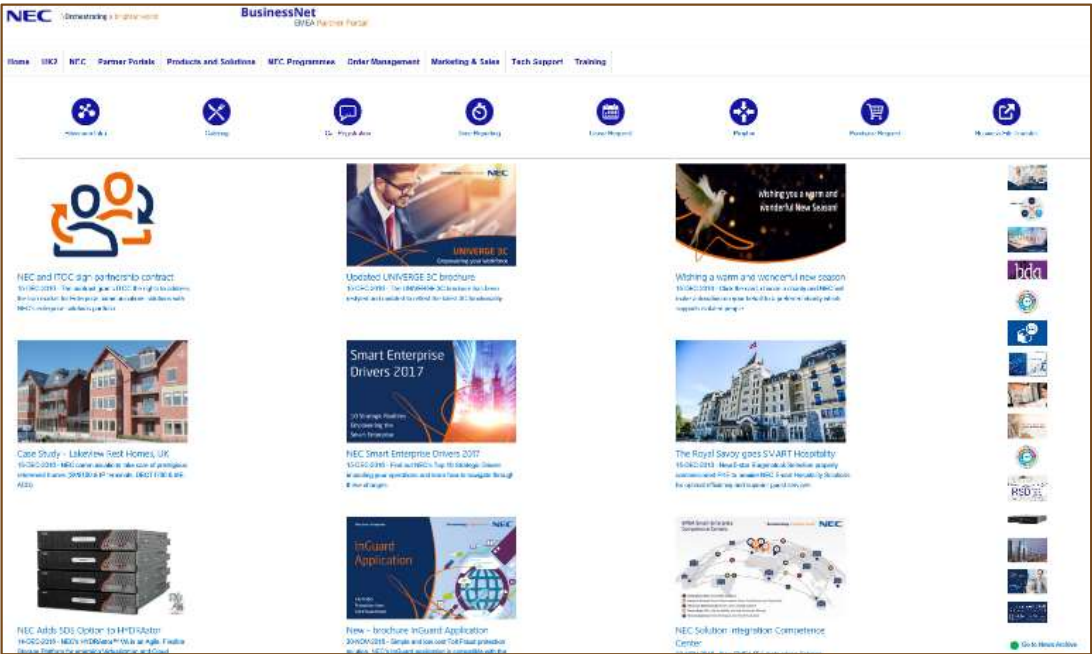
For more information about NEC and all its products, the following sites are available:

For all:



<https://www.nec-enterprise.com/>

For Partners:



<http://businessnet.nec-enterprise.com/Pages/Home.aspx>

## SL2100 Details – Hardware List

Part Code	Description	
BE116494	IP7WW-4KSU-C1 w/o C	SL2100 Main/Expansion KSU CPU/EXIFE slot + 4 universal slots
161893001-A	SL2100 Rack Mount Shelf	19 inch Rack Mount shelf for SL2100 KSU (3U total)
BE110239	IP4WW-Battery Box	SL external Battery box (batteries not included)
BE116498	IP7EU-CPU-C1	SL2100 CPU-Basic (No InMail built-in)
BE117657	IP7EU-CPU-C1-A	SL2100 CPU-Advance (2hr InMail+4SIP trunks+4IP Extns built-in)
BE116500	IP7WW-VOIPDB-C1	SL2100 VOIP expansion card (16ch included)
BE116501	IP7WW-EXIFB-C1	SL2100 Expansion interface card (installed into Main KSU). Also increases VRS/InMail to 16 channels
BE116502	IP7WW-SDVMS-C1	SL2100 15hr storage for InMail
BE116503	IP7WW-SDVML-C1	SL2100 120hr storage for InMail
BE116504	IP7WW-EXIFE-C1	SL2100 Expansion interface card (installed into each expansion KSU)

Note - Not all parts may be available within your region

## SL2100 Details – Hardware List

Part Code	Description	
BE116505	IP7WW-308U-A1	SL2100 3 analogue trunk + 8 Hybrid extensions + Audio interfaces Hybrid interfaces support the connection of Type A terminals or analogue SLT terminals
BE116506	IP7WW-082U-B1	SL2100 8 Digital extension + 2 SLT extensions (accepts trunks daughterboard) + Audio interfaces Digital interfaces support the connection of Type B terminals
BE116507	IP7WW-008U-C1	SL2100 8Hybrid/SLT extensions (accepts trunks daughterboard). Hybrid interfaces support the connection of Type A terminals or analogue SLT terminals
BE116509	IP7WW-000U-C1	SL2100 Carrier card for trunk daughterboards
BE116510	IP7WW-3COIDB-C1	SL2100 3 channel analogue trunk daughterboard
BE116511	IP7WW-2BRIDB-C1	SL2100 2 circuit (4ch) Basic Rate daughterboard
BE116512	IP7WW-1PRIDB-C1	SL2100 1 circuit (30ch) Primary Rate daughterboard

Note - Not all parts may be available within your region

## SL2100 Details – License List

Part Code	Description	
BE120530	SL2100 B-IN VOIP EX LIC	SL2100 Additional 8ch Built-in VOIP license, VOIPDB card not required (R4 Main Software required)
BE116744	SL2100 IP CHANNEL-16 LIC	SL2100 Additional 16ch VOIP license, must have VOIPDB card installed
BE116745	SL2100 IP TRUNK-01 LIC	SL2100 IP trunk license 4 Included with the CPU-C1-A
BE116746	SL2100 IP EXT-01 LIC	SL2100 IP extension license for 3 <sup>rd</sup> Party or NEC devices (not required for 8IPLD IP terminal) 4 Included with the CPU-C1-A
EU909388	SL2100 NEC SIP License	SIP Extn license for NEC devices (not required for 8IPLD IP terminal)
BE116747	SL2100 ENCRYPTION LIC	SL2100 Encryption license
BE116750	SL2100 REMOTE CONF-01 LIC	SL2100 Remote Conference bridge license
BE116751	SL2100 VM E-MAIL NOTIFY LIC	SL2100 voicemail to e-mail notification license
BE116753	SL2100 HOTEL LIC	SL2100 Hotel feature license
BE116754	SL2100 PMS LIC	SL2100 Hotel PMS license (also requires SL2100 Hotel license)
BE116755	SL2100 XMLPRO LIC	SL2100 XMLPro license
BE116756	SL2100 3RD CTI LIC	SL2100 3rd Party CTI license
BE116757	SL2100 MOBILE EXT-01 LIC	SL2100 Mobile extension license

Note - Not all parts may be available within your region

## SL2100 Details – License List

Part Code	Description	
BE116758	SL2100 IN-UC WEB CLIENT-01 LIC	SL2100 InUC Web client license
BE116760	SL2100 WEB VIDEO CNF-01 LIC	SL2100 InUC Video Conference license 4 Included with the CPU-C1 & CPU-C1-A
BE117473	SL2100 IN-UC 1st-01 CTI	SL2100 InUC Client call control license
BE117668	SL2100 ACD P-EVENT LIC	SL2100 ACD P-event interface license
BE116763	SL2100 OnBoard App. InGuard Lic	SL2100 OnBoard App. InGuard License
BE119746	SL2100 OnBoard App. InReports Lic	SL2100 OnBoard App. InReports License
BE119099	SL2100 OnBoard Apps InHotel Lic	SL2100 OnBoard Apps InHotel License
BE119738	SL2100 InHotel 4 Room LIC	SL2100 InHotel 4 Room License
BE119741	SL2100 InHotel 16 Room LIC	SL2100 InHotel 16 Room License
EU000339	SL2100 Remote P-Event LIC	SL2100 Remote P-Event LIC
BE118080	SL2100 InACD	SL2100 InACD 8 groups and 20 agents
BE116748	SL2100 ASPIRENET-01 LIC	SL2100 SLNet channel
BE117997	SL2100 IN-UC Web Phone-01 LIC	SL2100 InUC Browser Phone

Note - Not all parts may be available within your region

## SL2100 Details – License List

Part Code	Description	
BE118324	SL2100 INFIAS LIC	SL2100 FIAS v2.21 connection to Front of House/PMS applications
BE118720	SL2100 InDECT MANAGEMENT LIC	SL2100 InDECT for easy IPDECT installation

Note - Not all parts may be available within your region

## SL2100 Details – Terminals

Part Code	Description	
BE116515	IP7WW-12TXH-B1 TEL(BK)	SL2100 12 button TXH-B terminal (2wire digital) black
BE116516	IP7WW-24TXH-B1 TEL(BK)	SL2100 24 button TXH-B terminal (2wire digital) black
BE116513	IP7WW-12TXH-A1 TEL(BK)	SL2100 12 button TXH-A terminal (4wire hybrid) black
BE116514	IP7WW-24TXH-A1 TEL(BK)	SL2100 24 button TXH-A terminal (4wire hybrid) black
BE116517	IP7WW-8IPLD-C1 TEL(BK)	SL2100 32 button Desiless IP terminal black
BE115113	ITY-6D-1P(BK)TEL	DT820 6 button IP terminal black
BE115114	ITY-8LDX-1P(BK)TEL	DT820 8 button Desiless IP terminal black
BE113862	DTZ-12D-3P(BK)TEL	DT430 12 button terminal (2wire digital) black
BE113864	DTZ-24D-3P(BK)TEL	DT430 24 button terminal (2wire digital) black
BE116518	IP7WW-60D DSS-A1 CONSOLE (BK)	SL2100 60 button TXH-A console (connects to hybrid interface) black
BE116519	IP7WW-60D DSS-B1 CONSOLE (BK)	SL2100 60 button TXH-B console (connects to digital interface) black
BE109741	DX4NA Doorphone	Doorphone unit (connects to analogue extension interface)

Note - Not all parts may be available within your region

## SL2100 Details – Terminals

Part Code	Description	
BE118842	AT-50P(WH) TEL	AT-50 simple analogue CLI terminal (White)
BE118843	AT-50P(BK) TEL	AT-50 simple analogue CLI terminal (Black)
BE118844	AT-55P(WH) TEL	AT-55 Multifunctional analogue CLI terminal (White)
BE118845	AT-55P(BK) TEL	AT-55 Multifunctional analogue CLI terminal (Black)
BE117876	ITX-1615-1W(BK)TEL	GT210 Standard SIP terminal
BE118998	DTK-12D-1P(BK)TEL	DT530 12 Button digital (black)
BE119000	DTK-24D-1P(BK)TEL	DT530 24 Button digital (black)
BE119005	DCK-60-1P(BK) CONSOLE	DT530/DT900 60 button DSS console
BE118959	ITK-6D-1P(BK)TEL	DT920 12 button IP terminal (black)
BE118965	ITK-12D-1P(BK)TEL	DT920 12 button IP terminal (black)
BE118970	ITK-8LCX-1P(BK)TEL	DT920 8 button Desileless IP terminal (black)
BE118955	ITK-24CG-1P(BK)TEL	DT930 24 button IP terminal (black)
BE118385	ITX-3370-1W(BK)TEL	GT890 UC Terminal (black)

Note - Not all parts may be available within your region

## SL2100 Details – Terminal sheets

Part Code	Description	
Q24-FR000000127919	DESI SL2100 12TXH-B (PKG 25)	Pk25 DESI labels for 12TXH-B terminal (English)
Q24-FR000000127920	DESI SL2100 24TXH-B (PKG 25)	Pk25 DESI labels for 24TXH-B terminal (English)
Q24-FR000000127921	DESI SL2100 DSS (PKG 25)	Pk25 DESI labels for DSS console (Blank)
Q24-FR000000127922	DESI SL2100 8IPLD (PKG 25)	Pk25 DESI labels for 8IPLD terminal (English)
A50-FR000000127919	DESI SL2100 12TXH-A (PKG 25)	Pk25 DESI labels for 12TXH-A terminal (English)
A50-FR000000127920	DESI SL2100 24TXH-A (PKG 25)	Pk25 DESI labels for 24TXH-A terminal (English)
660140-A4	DESI Labels for ITY-6D	DESI labels for ITY-6D
A50034060001	DESI labels for DT430/830-12/24Btn	DESI labels for DT430/830 – 12/24 button
A5003418397	DESI labels for the DT530/930 12/24 button terminals	Pk25 DESI labels for DT530/D930 – 12/24 button
A5003418401	DESI label for the DT530/930 60 button DSS console	DESI label for DT530/D930 DSS console – 60 button

Note - Not all parts may be available within your region

## SL2100 Details – Cables, Adapters & Panels

Part Code	Description	
LPNEC2	Cable-C 2p4w	Converts one RJ61 plug to two x 4wire RJ45 plugs <i>308/008 card Hybrid or SLT interfaces, 082 card SLT interface</i>
LPNEC3	Cable-B 3p2w	Converts one RJ61 plug to three x 2wire RJ45 plugs <i>308/3COIDB card analogue trunk interface</i>
LPNEC4	Cable-A 4p2w	Converts one RJ61 plug to four x 2wire RJ45 plugs <i>082 card Digital, analogue extension or audio interfaces, 308 card Audio interface</i>
ADNEC14	Adapter-A 4p2w	Converts one RJ61 socket to four x 2wire RJ45 sockets <i>082 card Digital, analogue extension or audio interfaces, 308 card Audio interface</i> <i>308/3COIDB card analogue trunk interface</i>
ADNEC24	Adapter-C 4p4w	Converts two RJ61 socket to four x 4wire RJ45 sockets <i>308/008 card Hybrid or SLT interfaces, 082 card SLT interface</i>
FFV16NECBK	16 Port RJ45 Patch Panel, Black	16 port patch panel (RJ61 to RJ45) <i>082 card Digital, analogue extension or audio interfaces, 308 card Audio interface</i>
FFV24NECBK	24 Port RJ45 Patch Panel, Black	24 port patch panel (RJ61 to RJ45). <i>082 card Digital, analogue extension or audio interfaces, 308 card Audio interface</i>
FFNEC50	40 Port RJ45 Patch Panel, Black	40 port patch panel (RJ61 to RJ45). <i>082 card Digital, analogue extension or audio interfaces, 308 card Audio interface</i>

Note - Not all parts may be available within your region

## SL2100 Details – MyCalls Overview

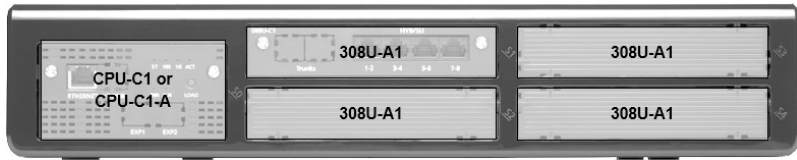
Part Code	Description	
EU500003	LK-SL2100-MyCalls-Call Manager	LK-SL2100-MyCalls-Call Manager
EU500095	LK-SL2100 MyCalls-Desktop 5 User	LK-SL2100 MyCalls-Desktop 5 User
EU500096	LK-SL2100 MyCalls-Desktop 10 User	LK-SL2100 MyCalls-Desktop 10 User
EU500097	LK-SL2100 MyCalls-Desktop 25 User	LK-SL2100 MyCalls-Desktop 25 User
EU500034	LK-SV9100-MyCalls-Console 1 User	LK-SV9100-MyCalls-Console 1 User
EU500224	SL2100 MyCalls Call Rec 1 Call	SL2100 MyCalls Call Rec 1 Call
EU100200	SL21 MyCalls Call Rec 4 Calls	SL2100 MyCalls Call Rec 4 Concurrent Calls
EU100201	SL21 MyCalls Call Rec 8 Calls	SL2100 MyCalls Call Rec 8 Concurrent Calls
EU100202	SL21 MyCalls Call Rec 16 Calls	SL2100 MyCalls Call Rec 16 Concurrent Calls
EU100203	SL21 MyCalls Call Rec 30 Calls	SL2100 MyCalls Call Rec 30 Concurrent Calls
EU100204	SL21 MyCalls Call Rec 60 Calls	SL2100 MyCalls Call Rec 60 Concurrent Calls

Note - Not all parts may be available within your region

This is an overview of MyCalls licenses, there are additional licenses required/available

# SL2100 Details – Capacity with Type A Terminals

SL2100 with Type A Terminals connected showing a typical configuration within a single chassis



Analogue Trunks	12 + 32 + 8IP
Analogue trunks	12
Digital extensions	16
Analogue extensions	16
IP Extensions	8

These are examples of SL2100 configurations using the four slots available within a single chassis.  
IP capacity is non-blocking.  
Other configurations are possible.



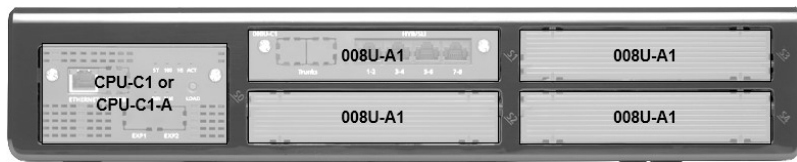
ISDN BRI Trunks	16 + 32 + 8IP
ISDN BRI trunks	16
Digital extensions	16
Analogue extensions	16
IP Extensions	8



ISDN PRI Trunks	1~30 + 32 + 8IP
ISDN PRI trunks	1~30
Digital extensions	16
ISDN PRI Trunks	20
IP Extensions	8

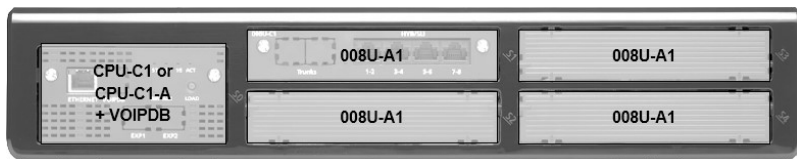
# SL2100 Details – Capacity with Type A Terminals

SL2100 with Type A Terminals connected showing a typical configuration within a single chassis



SIP Trunks	4 + 32 + 4IP
SIP trunks	4
Digital extensions	16
Analogue extensions	16
IP Extensions	4

These are examples of non-blocking IP configurations.  
Other configurations are possible.



SIP Trunks	8 + 32 + 8IP
SIP trunks	8
Digital extensions	16
Analogue extensions	16
IP Extensions	8

# SL2100 Details – Capacity with Type B Terminals

SL2100 with Type B Terminals connected showing a typical configuration within a single chassis



Analogue Trunks	12 + 36 + 8IP
Analogue trunks	12
Digital extensions	16
Analogue extensions	20
IP Extensions	8

These are examples of SL2100 configurations using the four slots available within a single chassis.  
IP capacity is non-blocking.  
Other configurations are possible.



ISDN BRI Trunks	16 + 36 + 8IP
ISDN BRI trunks	16
Digital extensions	16
Analogue extensions	20
IP Extensions	8

DT430 Terminals are also available in selected regions and have the same capacity as Type B terminals.  
A system can have a mix of DT430 and Type B terminals.



ISDN PRI Trunks	1~30 + 36 + 8IP
ISDN PRI trunks	1~30
Digital extensions	16
ISDN PRI Trunks	20
IP Extensions	8

# SL2100 Details – Capacity with Type B Terminals

SL2100 with Type B Terminals connected showing a typical configuration within a single chassis



SIP Trunks	4 + 36 + 4IP
SIP trunks	4
Digital extensions	16
Analogue extensions	20
IP Extensions	4

These are examples of non-blocking IP configurations.  
Other configurations are possible.



SIP Trunks	8 + 36 + 8IP
SIP trunks	8
Digital extensions	16
Analogue extensions	20
IP Extensions	8

## SL2100 Details - InMail

The SL1100 InMail solution includes the following essential Voicemail and Automated Attendant features.

### Voicemail Features

Conversation Recording into personal mailbox	Remote Programming via WebPro/PCPro
Answering Machine Emulation	Auto-Help Voice Prompts
Fax Detection	Auto-Forward to mailbox
Interactive Softkeys (Type B and IP Terminals)	Programmable Individual Security Code
Message Count Display (Type B and IP Terminals)	Real Time and Date Stamp
Programmable Voice Prompts	One-Touch keys for Mailbox Access, Message Retrieval, Message Forwarding
Three Personalized Mailbox Greetings	One-Key Call to Sender
Message Forwarding	Confidential/Urgent/Future Message delivery options
Announcement Mailbox for One-Way Information	Guest & Group/Department mailbox types
Remote or Local Message Notification (on or off site)	Voice to e-mail notification (optional send of wav file)*

### Automated Attendant Features

Answer Schedule Tables	Single digit transfer
Park and Page	Individual trunk greetings
Capture Caller ID	Three Day, Night and Holiday Greetings
Flexible answering based on trunk time-of-day and day-of-week	

## SL2100 Details - InMail

Specifications	
CPU-C1-A does not have InMail built in	<i>SDVMS or SDVML memory card can be added to provide InMail with 15/120 hours storage, 4 channels and 26 prompt languages</i>
CPU-C1-A has InMail built in with 2 hours of storage, 4 channels & English prompts	<i>SDVMS or SDVML memory card can be added to increase storage to 15/120 hours and 26 prompt languages</i>
128 Mailboxes	
32 Group Mailboxes	
32 Routing Mailboxes	<i>32 Dial Action Tables Instruction Menu, Announcement, Directory &amp; Distribution types available</i>
99 Voicemail messages per mailbox	
16 channels available by installing the EXIFB card	
Message Upload/Download via UserPro and WebPro	
Hotel Integration	<i>Requires SL2100 Hotel license</i>


## SL2100 Details - VoIP

The SL2100 has built-in VoIP resources which can optionally be expanded by adding the VOIPDB card.

VoIP	
NEC IP Terminals	<i>Using proprietary iSIP protocol with greater feature transparency the SL2100 supports the connection of the 8IPLD and DT820 6D and 8LDX IP terminals</i>
3 <sup>rd</sup> Party IP terminals	<i>Using standards based SIP protocol the SL2100 supports connection of 3rd party IP terminals. Compatibility certificates are available for terminals that NEC have certified for connection to the SL2100</i>
SIP Trunks	<i>Using standards based SIP protocol the SL2100 supports connection to SIP trunks provide by ITSP's. Compatibility certificates are available for SIP trunk providers that NEC have certified for connection to the SL2100. PCPro also includes wizard setup for SIP carriers</i>
Networking	<i>Networking (networking between telephone systems) is provided by SIP trunks on the SL2100 SLNet provides system features between networked SL2100 systems</i>

VoIP Resources	
CPU-C1 and CPU-C1-A have 8 IP resources built in	
VOIPDB card can be added to provide 16 IP resources	
VOIP Channel license can be added to provide up to 128 IP resources	VOIP channel license provides 16 resources, VOIPDB + 7 licenses = 128 resources total

# SL2100 Details - VoIP

VoIP Licenses	
NEC IP Terminals	<i>The 8IPLD terminal does not require a license The DT820 6D and 8LDX require an EU909388 or a BE116746 license</i>
NEC IPDECT Handsets	<i>Each handset requires an EU909388 or BE116746 license</i>
3 <sup>rd</sup> Party IP terminals	<i>Each terminal requires a BE116746 license</i>
SIP Trunks	<i>Each SIP trunk requires a BE116745 license</i>
16 Channel VOIP Resource license	<i>Add the VOIPDB card plus additional channel licences to increase the quantity of VOIP resources</i>
Encryption license	<i>Encrypt the signalling and speech for NEC IP terminals</i>
CPU-C1 card	<i>Does not have any licenses built in</i>
CPU-C1-A card	<i>Has licenses built in (do not require activation on the LMS) 4 x SIP Trunk 4 x IP Extension (NEC or 3<sup>rd</sup> party)</i>
LMS	<p><i>License Management Server – NEC’s license server is accessed via your BusinessNet account</i></p>  <p>The screenshot shows the BusinessNet EMEA Partner Portal interface. The breadcrumb trail is 'Home &gt; Products and Solutions &gt; Communication Platforms &gt; SL2100'. The main heading is 'SL2100 Communication Server'. In the 'Order Management' dropdown menu, the 'License Generator' option is highlighted with a red rectangle.</p>

## SL2100 Details - InApps

The SL2100 has a suite of InApps available that do not require any additional server/PC to run.

VoIP	
InMail	<i>Voicemail system included with the CPU-C1-A Can be added to the CPU-C1 by installing either the SDVMS or SDVML card</i>
InUC	<i>Unified Communications included with the CPU-C1 and CPU-C1-A BE116758 - Screen sharing, Presence &amp; Instant Messaging BE116760 - Web Conferencing (4 channels built in with the CPU-C1 &amp; CPU-C1-A) BE117473 - Deskphone / Softphone control</i>
InReports	<i>Call Management application loaded onto the CPU card. Software available on the Software Database within BusinessNet BE119746 - InReports</i>
InGuard	<i>Toll Fraud protection application loaded onto the CPU card. Software available on the Software Database within BusinessNet BE116763 - InGuard</i>
InHotel	<i>Hotel Front of House Booking &amp; Reservation application loaded onto the CPU card. The quantity of rooms are licensed, maximum is 32 rooms. Software available on the Software Database within BusinessNet BE119099 – InHotel BE119738 – 4 Rooms BE119741 – 16 Rooms Also requires the following SL2100 licenses: BE116753 – SL2100 Hotel license BE116754 – SL2100 PMS License</i>

## SL2100 Details - InApps

The SL2100 has a suite of InApps available that do not require any additional server/PC to run.

VoIP	
InFIAS	<i>Allows connection to IFIAS 2.21 compliant Front of House/PMS applications Opera, Protel, Brilliant, and Hotsoft</i>
InDECT	<i>Installation tool for IPDECT By using InDECT you can install and maintain an IP DECT system of up to 32 DECT access points and 64 DECT handsets. For systems up to 10 access points the AP400S can be used, while for larger systems (11-32 APs) the AP400C is required. Requires the SDVMS/SDVML memory card installed in the SL2100 (or can use the Gx66 Memcard EU917108)</i>

# SL2100 Details - ProphixCPQ

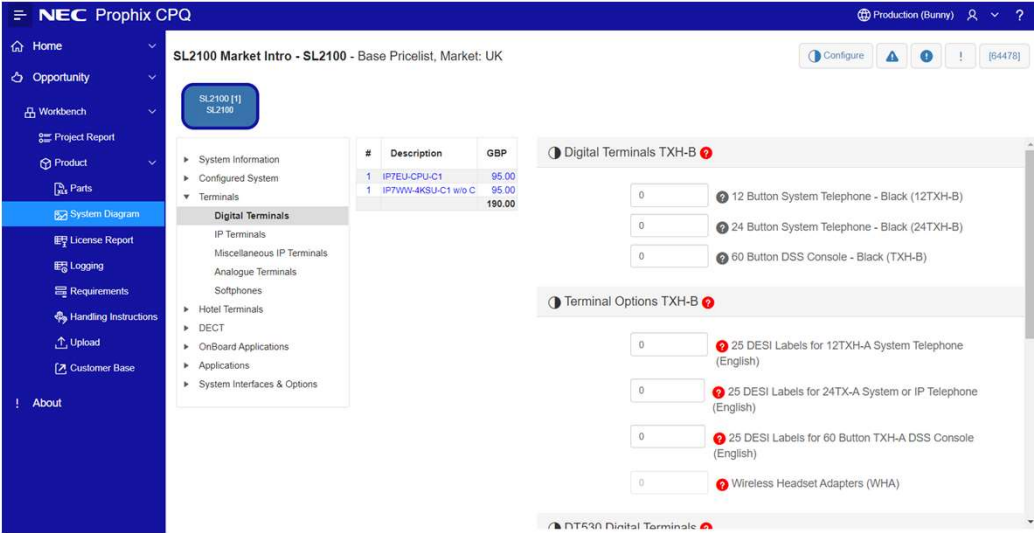
Prophix is the NEC configuration tool that allows you to accurately configure the system based on answering simple questions.

The latest application and pricing is automatically updated (internet connection required).

Project quotes can be generated and sent to NEC to place an order.

Online application accessed via your BusinessNet account.

Please contact your channel manager for access to the ProphixCPQ Configuration Application



# SL2100 Details – Training & Documentation

## SL2100 Migration Training

There are SL1000 & SL1100 migration courses available (web based) for existing SL1x00 trained engineers, completion of the migration course will qualify the participant to install and maintain the SL2100.

Completion of the migration course plus certification via on-line test is also available for any non SL1000/SL1100 training engineers.

Refer to the training pages on BusinessNet for details:

<http://businessnet.nec-enterprise.com/Training-Centre/Pages/Home.aspx>

# SL2100 Details – Training & Documentation

## SL2100 Quick Install Guides and Complementary videos

SL2100 training can be achieved via the Quick Install Guides available within the SL2100 Product Area of BusinessNet:

<http://businessnet.nec-enterprise.com/Products/Communication-Servers/SL2100/Pages/Home.aspx>

Use one or more of the trunk guides to install the system and then use the other guides for any supplementary features.

SL2100 Quick Install Guide	
Analogue trunks	<i>These guides explain the installation of the SL2100 system with each type of trunk interface. Includes configuration with PCPro Initial Setup Wizard and Easy Edit.</i>
ISDN BRI Trunks	
ISDN PRI Trunks	
SIP Trunks	
InMail	<i>InMail voicemail – Installation, configuration and using voicemail, includes InMail Auto Attendant and upload of greetings</i>
Auto Attendant	<i>Automated Attendant – Configuration of the VRS feature for Auto Attendant and upload of greetings</i>
Terminals Type A	<i>Installation and configuration of Type A terminals</i>
Terminals Type B	<i>Installation and configuration of Type B terminals</i>
IP Terminals	<i>Installation and configuration of NEC IP terminals</i>
MOH and External Audio	<i>Installation and configuration of Music on hold, Background Music and External Paging</i>
Virtual Loopbacks	<i>Configuration and operation of Virtual Loopbacks</i>
Toll Restriction	<i>Configuration and testing of Toll Restriction</i>
DESI Labels	<i>Terminal labels and DESI printing application</i>
SLNet	<i>Configuration of SLNet Networking</i>
InACD	<i>Configuration of Automatic Call Distribution</i>
ST500	<i>Configuration for ST500 Smart Phone application</i>

# SL2100 Details – Training & Documentation

SL2100 training is supplemented by a range of videos available within the SL2100 Product Area of BusinessNet:

<http://businessnet.nec-enterprise.com/Products/Communication-Servers/SL2100/Pages/Home.aspx>

Or on Youtube: [www.youtube.com/playlist list](http://www.youtube.com/playlist?list=PL1234567890)

## SL2100 Quick Install Guide

Analogue trunks	<i>These videos explain the installation of the SL2100 system with each type of trunk interface. Includes configuration with PCPro Initial Setup Wizard and Easy Edit.</i>
ISDN BRI Trunks / PRI Trunks	
SIP Trunks	
SL2100: Quick Install - Overview	<i>Overview of the SL2100</i>
SL2100: Quick Install - Rack Mount	<i>Rack mounting the chassis</i>
SL2100: Quick Install - Wall Mount	<i>Wall mounting the chassis</i>
SL2100: Quick Install - CPU	<i>SL2100 CPU card options</i>
InReports – Call Management App	<i>Overview of the On board Application - InReports</i>
InHotel – Hospitality App	<i>Overview of the On board Application - InHotel</i>
InUC – Unified Comms App	<i>Overview of the On board Application suite - InUC</i>
SL2100 InMail	<i>InMail voicemail system</i>
SL2100 IP Terminals	<i>Installing SL2100 IP terminals</i>
SL2100 MOH & External Audio	<i>Music in Hold and audio (Paging) setup</i>
SL2100 Virtual Loopbacks	<i>Configure Virtual Loopbacks to give enhanced call routing</i>
SL2100 Toll Restriction	<i>Setup toll restriction for trunks, extensions and voicemail</i>

More videos will available...

# SL2100 Details – Training & Documentation

## SV9100 Training Courses

SV9100 training is available for the advanced applications that are common to the SL2100, these include:

- MyCalls
  - Call Manager – 1 day classroom
  - Call Recorder – 1 day classroom
  - Desktop, Console, Presence, Call Centre – 3 days classroom
  - Macro scripting – 2 days classroom
- VOIP
  - VOIP Introduction – 1 day classroom
  - VOIP Extensions, SIP Trunks & Networking – 2 days classroom
- IPDECT
  - IP DECT Configuration – 2 days classroom

Refer to the training pages on BusinessNet for details and any pre-requisites:

<http://businessnet.nec-enterprise.com/Training-Centre/Pages/Home.aspx>



# **Orchestrating** a brighter world

NEC brings together and integrates technology and expertise to create the ICT-enabled society of tomorrow.

We collaborate closely with partners and customers around the world, orchestrating each project to ensure all its parts are fine-tuned to local needs.

Every day, our innovative solutions for society contribute to greater safety, security, efficiency and equality, and enable people to live brighter lives.