

# SIP Extension Compatibility Report

# 2N IP Verso SIP Video Modular Doorphone SV9100 / SL2100

NEC Enterprise Solutions has performed Interoperability Testing with the Platform(s) and the Device listed above on the date specified on the individual Compatibility Report.

Please always refer to the latest edition of a specific Compatibility Report on BusinessNet before considering connection.

If a Device is no longer mentioned in the Index and/or the Compatibility Report is not available then the Compatibility Report has been withdrawn and connection will no longer be supported by NEC Enterprise Solutions.

IMPORTANT – A specific Device may not necessarily be available in every territory of the EMEA Region. Verification should be obtained before proceeding.

1 <sup>st</sup> Match 2021
2N
IP Verso
2.31.0.40.5
https://cie-group.com
SV9100 / SL2100
10.60.55/ 3.00.02

Please refer to the following page(s) for further Information and Configuration Notes.

# **Description of SIP Extension**

2N<sup>®</sup> IP Verso is an elegant and reliable intercom equipped with lots of useful functions. Thanks to SIP support and compatibility with major brands of PBX manufacturers, it can benefit from using VoIP networks. 2N<sup>®</sup> IP Verso can be used as a door or special purpose intercom for office buildings, residential areas and other applications.

Advantages of Use

- Elegant design
- Weather resistant
- Various modes of installation (flush, surface, plasterboard)
- Sensitive microphone and loud speaker
- Both-way audio communication acoustic echo cancellation
- Integrated colour HD camera with wide-angle lense and hidden night vision
- Selectable number of quick dial buttons with nametags and backlight
- Optional numeric keypad with backlight
- Option to have multiple modules of the same kind for example, card reader for both entering and leaving the building
- Integrated switches of electric locks with wide setting options
- Optional integrated RFID card reader module
- PoE or 12 V DC power supply
- Configuration using web interface or dedicated PC application
- VoIP standard SIP 2.0 support
- 10 000 Phone Book positions
- 20 user time profiles
- Video codecs (H.263, H.263+, H.264, MPEG-4, MJPEG)
- Audio codecs (G.711, G.729, G.722, L16/16kHz)
- HTTP server for configuration
- SNTP client for time synchronisation
- RTSP server for audio and video streaming, ONVIF compatible
- SMTP client for email sending, Picture to Email feature
- TFTP/HTTP client for automated firmware and configuration upgrade and update

We have tested the 2N IP Verso SIP Door Entry using a Single Button.



# **Recommended Software Versions**

SV9100:

SL2100



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CCPU Version 10.60.55 / PC Pro Version 10.52.56

CCPU Version 3.00.02 / PC Pro Version 3.00.01

# **Licensing requirements**

SV9100:

1 x System Port license required 1 x IP Advanced License

**SL2100:** 1 x SIP Extension License

# **System Configuration**

The SV9100 CP20 CPU Card must have an IPLe VoIP Daughter Board installed.

The SL2100 has VoIP support as standard called "Embedded VoIP" with an Option to install the VoIP DB card for further support enhancements. Tests performed in this guide was using the Embedded VoIP option.

# **System Programming**

The following items should be changed – all other items are considered irrelevant and as such left as default. Screenshots are for example purposes only and will have been taken from the PBX under test but will apply to the other PBXs listed on the cover of the Compatibility Report. Only differences in programming will be documented where necessary.

Advanced Edit	PRG	Item	Setting
	10-12-02	Default Subnet	Set according to customers network
A dura a co d		Mask	requirements
	10-12-01	IP Address	Must be in a different network range to IPLE IP
Conorol			Address (10-12-09) Must not be set as 0.0.0.0
Settings LID	10-12-03	Default	Set according to customers network
Addrossing +		Gateway	requirements
	10-12-09	IPLE/VOIPDB IP	Set according to customer's network
Network Setup		Address	requirements.
Network Setup	10-12-10	IPLE/VOIPDB	Set according to customers network
		Subnet Mask	requirements

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SL2100



Advanced Edit	PRG	Item	Setting
Advanced Items + VoIP +	84-26-01	VoIP	Set according to customers network
General Settings + IP		Gateway IP	SV9100 & SL2100 requirements. This requires
Addressing + IPL VoIP		Address	1 x static IP address for the DSP resources
Resource IP Addressing			

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Advanced Edit	PRG	Item	Setting
	10-33-01	Registration	Leave set as default to <b>3600</b> . The 2N Verso will
Advanced Items +		Expiry Time	re-register every 120s set by device.
VoIP + Extensions +	10-33-02	Authentication	Set to Enabled for Authentication using User
SIP Extensions + SIP		Mode	name and Password.
Device Setup	84-20-01	Registration	Default Port is <b>5070</b>
		Port	



Advanced Edit	PRG	Item	Setting
	11-02	Extension	SIP Extension must register to an un-carded
		Number	Extension Port.
	15-01-01	Extension	Enter the Name of the device.
Advanced Items +		Name	
VoIP + Extensions +	15-03-03	Terminal Type	Set to Special - Receive DTMF tones after the
SIP Extensions + SIP			initial call is setup
Terminal Settings	15-05-15	Codec Type	Default setting is Type 1.
	15-05-16	Authentication	Enter an 8 digit Password that will be used for
		Password	Authentication when the device registers.
	15-05-43	Video Mode	Set to Enabled

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- SIP Extensions	054	253	DoorPhone 2N	On	None	Special - Receive DT	Fax	00-00-00-00-00		0.0.0.0	Type 1		Disable	Enable	- C C
SIP Device Setup	055	254	EXT 254	On	None	Normal - Ignore DTMF	Fax	00-00-00-00-00		0.0.0.0	Type 1		Disable	Disable	C (
SIP Terminal Settings	056	255	EXT 255	On	None	Normal - Ignore DTMF	Fax	00-00-00-00-00		0.0.0.0	Type 1		Disable	Disable	- C
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E F-Route			051		Extn 250	V	None	Normal - Ignore DT	MF tones after the initial call is setup	Fax	00-00-00-0	192.168.1	Type 1	*******		E.	0.0.0.0	Enable	Ē
Additional Devices			052	251	GT8901	V	SIP	Normal - Ignore DT	MF tones after the initial call is setup	Fax	00-00-00-0	192.168.10	Type 1		V		0.0.0.0	Enable	
El Advanced Items			053	252	GT890 2	V	SIP	Normal - Ignore DT	MF tones after the initial call is setup	Fax	00-00-00-0	192.168.10	Type 1		V	Г	0.0.0.0	Enable	Γ.
Hotel			054	253	Door Phone		SIP	Special - Receive I	DTMF tones after the initial call is setup	Fax	00-00-00-0	192.168.10	Type 1	******	Г	Г	0.0.0.0	Enable	Г
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- E General Settings			056		Extn 255	V	None	Normal - Ignore DT	MF tones after the initial call is setup	Fax	00-00-00-0	0.0.0.0	Type 1	********			0.0.0.0	Disable	Г
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- Extensions			▶ 058		Extn 257	V	None	Normal - Ignore DT	MF tones after the initial call is setup	Fax	00-00-00-0	0.0.0.0	Type 1		Г	Г	0.0.0.0	Disable	T T
- SIP Extensions			059		Extn 258	V	None	Normal - Ignore DT	MF tones after the initial call is setup	Fax	00-00-00-0	0.0.0.0	Type 1	*****************	Г	Г	0.0.0.0	Disable	Г
SIP Basic Information Setu	ip:		060		Extn 259	V	None	Normal - Ignore DT	MF tones after the initial call is setup	Fax	00-00-00-0	0.0.0.0	Type 1	•••••		Г	0.0.0.0	Disable	Ē
SIP Extension Setup			061		Extn 260	V	None	Normal - Ignore DT	MF tones after the initial call is setup	Fax	00-00-00-0	0.0.0.0	Type 1	******		Г	0.0.0.0	Disable	Г

Advanced Edit	PRG	Item	Setting
Advanced Items +	84-19-28	Audio	Enter the Codec priority as required. Default
VoIP + Extensions +		Capability	value is G.711PT.
SIP Extensions + SIP		Priority	The 2N Verso supports G.711, G.729 & G.722.
Terminal Codec			
Settings			

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Search ions + SIP Extensions + SIP Device Setup	9	Type 1	Type 2	Type 3	Type 4	Type 5
SIP Device Setup	Audio Capability Priority     G.711 Maximum Audio Frame Size     G.711 Voice Activity Detection     G.711 Type     G.711 Minimum Jitter Buffer Size	G.711_PT G.729_PT G.729 G.722 G.726 30	G.711_PT 20ms A-law 20	G.711_PT 20ms A-law 20	G.711_PT 20ms A-law 20	G.711_PT 20ms A-law 20
rogramming Level a D	G 711 Average Jitter Buffer Size G 711 Maximum Jitter Buffer Size G 729 Maximum Audio Frame Size	60 120 30ms	40 80 20ms	40 80 20ms	40 80 20ms	40 80 20ms
Advanced Items     ☐ Advanced Items     ☐ ACD Automatic Call Distribution	G.729 Voice Activity Detection     G.729 Minimum Jitter Buffer Size     G.729 Average Jitter Buffer Size     G.729 Maximum Jitter Buffer Size     Jitter Buffer Mode	30 60 120 Self adjusting	20 40 80 Self adjusting	20 40 80 Self adjusting	20 40 80 Self adjusting	20 40 80 Self adjusting
QoS Settings     Extensions     DT900 DT800 Setup     SIP Extensions     SIP Device Setup	Voice Activity Detection Threshold G.722 Maximum Audio Frame Size G.722 Minimum Jitter Buffer Size G.722 Average Jitter Buffer Size	20 30ms 30 60	20 30ms 30 60	20 30ms 30 60	20 30ms 30 60	20 30ms 30 60
SIP Terminal Settings     SIP Terminal Codec Settings     SIP Terminal DTMF Settings     SIP Terminal DTMF Settings     SIP Extension NAPT with Video     SIP Extension NTP Server Setup	G.722 Maximum Jitter Buffer Size G.726 Maximum Audio Frame Size G.726 Voice Activity Detection G.726 Minimum Jitter Buffer Size G.726 Average Jitter Buffer Size	120 30ms 30 60	120 30ms 30 60	120 30ms 30 60	120 30ms 30 60	120 30ms 30 60

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	G.711 Ty	pe	A-law		
	G.711 Mit	nimum Jitter Buffer Size	20		
	G.711 Av	erage Jitter Buffer Size	40		
Programming Level 0 5	G.711 Ma	aximum Jitter Buffer Size	80		
	G.729 Ma	aximum Audio Frame Size	30ms		
F-Route	G.729 Vo	ice Activity Detection			
Additional Devices	G.729 Mit	nimum Jitter Buffer Size	20		
Advanced items	G.729 Av	erage Jitter Buffer Size	40		
- I Hotel	G.729 Ma	aximum Jitter Buffer Size	80		
- C VoIP	Jitter Buff	ler Mode	Self adjusting		
General Settings     General Settings	VAD thre	shold	20		
E Extensions	G.722 Ma	aximum Audio Frame Size	30ms		
IP MLT Setup.	G.722 Mit	nimum Jitter Buffer Size	30		
SIP Extensions	G.722 Av	erage Jitter Buffer Size	60		
SIP Basic Information Setup	G.722 Ma	aximum Jitter Buffer Size	120		
SIP Extension Setup	G.726 Ma	aximum Audio Frame Size	30ms		
- SIP Extension DTMF Settings	G.726 Vo	ice Activity Detection	-		
- SIP Extension FoIP Settings	G.726 Mi	nimum Jitter Buffer Size	30		
BIP Extension NAPT Settings	G.726 Av	erage Jitter Butter Size	60		
SIP Extension Access Reject	G.726 Ma	aximum Jitter Butfer Size	120		

Advanced Edit	PRG	Item	Setting
Advanced Items +	84-34-01	DTMF Relay	Set to RFC2833
VoIP + Extensions +		Mode	
SIP Extensions + SIP	84-34-02	DTMF Payload	Set Payload to 110
Terminal DTMF		Number	
Settings			

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# 2N Verso SIP Video Door Phone configuration for connection to SV9100/SL2100 Platforms

## LAN Connection and Logon Information

LAN Connection Setting You have to know the intercom configuration interface address to connect to the LAN successfully. Automatic IP address retrieval from the DHCP server is set by default in the 2N IP intercoms. Thus, if connected to a network in which a DHCP server configured to assign IP addresses to all new devices is available, the intercom will obtain an IP address from the DHCP server. The intercom IP address can be found in the DHCP server status (according to the MAC address given on the production plate), or will be communicated to you by the intercom voice function; refer to the Installation Manual of your intercom model. If there is no DHCP server in your LAN, use the intercom buttons to set the static IP address mode, refer to the Installation Manual of your intercom model. Your intercom address will then be **192.168.1.100**. Use it for the first login and then change it if necessary.

Now enter the intercom IP address into your favourite browser. We recommend you to use the latest Chrome, Firefox or Internet Explorer 9+ versions 2N IP intercom is not fully compatible with earlier browser versions.

**Default User name is admin and password** 2n (i.e. default reset password) for your first login to the configuration interface. The intercom requires a password change upon the first login. Strong passwords are only accepted - eight characters at least including one capital letter, one small letter and one digit.

2N IP Verso	< +				×
← → C ▲ Not secure   1	92.168.103.100		☆	Θ	:
		54-2517-9067			
	2N IP Verso	2N IP Verso			
	Username admin				
	Destructed				
	Password				
		Log in			



# Once you have logged in successfully, you should now be at the Home Screen

From the Home Page you need to configure as follows for the 2N Verso SIP Video Door phone to register to the SV9100/SL2100 Platforms.

To Set the Network settings for the device you need to click on the System button from the Home Screen.



Enter the new IP Address, Network Address and Default Gateway for the new device that must be in the range of the SV9100/SL2100 PBX.

Disable DHCP if not required. Then Click Save to confirm changes.

				2N IP Verso	CZ   EN   DE   FR   IT   ES   RU	Log out
۲	System 🛄	Basic	802.1x OpenVP	N Trace		
.h		U []	se DHCP Server			
502	Network >	M	anual Settings ×			
<u>.</u>	Date & Time			Static IP Address	192.168.103.100	
$\mathbf{X}$	License			Network Mask	255.255.255.0	
<b>\$</b>				Default Gateway	192.168.103.254	
	Certificates			Primary DNS	8.8.8.8	
	Auto Provisioning			Secondary DNS	8.8.4.4	
	Syslog	(14)	N 16 3			
	Maintenance	□ N	etwork Identificatio	n ~		
				Hostname	2NIPVerso-5425179067	
			Ven	dor Class Identifier		
			A. 1. 7. 11			
		VI	LAN Settings ~			
				VLAN Enabled		
				VLAN ID	1	
		1.2	NI Dort Cottinge			1
		Lr	AN FOIL Settings /			
		To	iols >			
		10				

Click on the Services button from the Home Screen to enter the credentials to register to the SV9100/SL2100 Platform.



## For SIP 1 enter the extension log in details required.

#### Intercom Identity:

- Display Name
- Phone Number (ID) This is the extension number assigned
- Domain This is the registration IP Address of the SV9100/SL2100 (10-12-09)

### Authentication:

- Use Authentication Set to enable (10-33-02)
- Authentication ID Enter the extension number assigned
- Password Enter the 8 digit password as set in 15-05-16

### **SIP Proxy:**

- Proxy Address IP Address of the SV9100/SL2100 (10-12-09)
- Proxy Port Enter as 5070 (84-20-01)

### SIP Registrar:

- Registration Enabled Tick
- Registration Address IP Address of the SV9100/SL2100 (10-12-09)
- Registration Port Enter as 5070 (84-20-01)

Click Save when finished.

$\frown$		2N IP Verso CZ   EN   DE   FR   IT   ES   RU	Log out
$(\mathbf{\bullet})$	Services 🍏	SIP 1 SIP 2 Calls Audio Video Local Calls	
.lı		_ Intercom Identity ∽	1
SQ2	Phone	> Display Name IP Verso	
×.4	Streaming	Phone Number (ID) 253	
	ONVIF	Domain 192.168.103.10	
	E-Mail	Test Call	
	Automation	Authentication ~	
	HTTP API	Use Authentication ID 🖌	
	User Sounds	Authentication ID 253	
		Password ······	
	Web Server		
	Audio Test	Provy Address 102 168 103 10	
	SNMP	Proxy Port 5070	
		Backup Proxy Address	
		Backup Proxy Port 5060	
		└ ┌──SIP Registrar ~	]
		Registration Enabled 🖌	
		Registrar Address 192.168.103.10	
		Registrar Port 5070	
		Backup Registrar Address	

2N IP Verso CZ | EN | DE | FR | IT | ES | RU Log out Services X (← SIP 1 SIP 2 Calls Audio Video Local Calls General Settings ~ 』 & ☆ Phone > Call Time Limit 120 [s] Incoming Calls ~ Call Answering Mode (SIP1) Always Busy ~ E-Mail Call Answering Mode (SIP2) Always Busy ~ Ħ Local Call Receiving Mode Always Busy ~ Pick up in 0 [s] Outgoing Calls ~ Web Server Ring Time Limit 32 [s] Dial Cycles Limit 3 Advanced Settings >

In the Call page set the Maximum Call Time Limit required. Default value is 120s.

In the Audio Page you need to set the supported Codec priorities. Tests performed using G.722 as priority 1 and PCMA (G.711) as Priority 2.

G.722 is the default Codec used with the GT890 while G.711 will be negotiated by the SV9100/SL2100 by default for calls to other devices.

$\frown$	E la		2N IP Verso	o CZ   EN   DE   FR   IT   ES   RU	Log out
<b>(</b>	Services 🛠	SIP 1 SIP 2 Calls	Audio Video	Local Calls	
.10		F Audio Codecs ~			
<b>1</b>	Phone >	CODEC	ENABLED	PRIORITY	
<u>~</u>	Streaming	PCMU		3 ~	
X	ONVIF	PCMA	~	2 *	
	E-Mail	L16 / 16 kHz		4 ~	
	Automation	G.729		5 (lowest)	
	HTTP API	6.722		1 (highest)	
	User Sounds		•	(ingricely	
	Web Server	DTMF Sending ~			
	Audio Test		Sending Mode	e Do Not Send V	
	CNIMD		In-Band (Audio		
			RTP (RFC-2833		
			SIP INFO (RFC-2976		
		DTMF Receiving ~			
			In-Band (Audio	) 🖌	
			RTP (RFC-2833		
			SIP INFO (RFC-2976	i) 🗸	
		L Transmission Qual	ity Settings >		
					$\bigcirc$
					Save

In the Video Page you will find the Video Codecs supported.

Video is only supported with calls to the GT890 Terminal using the ST500 Application. Supported video Codec is H.264 (Default Setting).

		El.			2N IP Verso	CZ   EN   DE   FR   II	ES   RU	Log out
(	Services	×	SIP 1 SIP 2 C	Calls Audio	Video L	ocal Calls		
-	Phone	>	Video Codeo	S Y				
<u>9</u> 2			CODEC	ENABLED	PRIOF	иту		
1. S	Streaming		H.264	✓	1 (†	nighest) 🗸		
	ONVIF		H.263+	✓	2	*		
<u>~</u>	E-Mail		H.263	~	3	~		
	Automation							
			H.264 Video	Parameters ~				
				Video	Resolution	VGA (640x480)	~	
	User Sounds			Video	Framerate	15 fps	~	
	Web Server			v	ideo Bitrate	512 kbps	~	
	Audio Test		L LL262 Video	Doromotors				
	SNMP		n.205 Video	Parameters *				
				Video	Resolution	CIF (352x288)	~	
				Video	o Framerate	15 tps	~	
				V	ideo Bitrate	512 KDps	~	
			Transmission	Quality Settin	gs >			
			Advanced SE	OP Settings >				
								Save

Return the Home Screen after saving settings and select the Directory Button



Within **Users** you need to create a New User, give this user a name. For this example the User is called NEC.



Click on the new user NEC and then you will be in the programming area below.

**In User Basic Information**, enter the name that appears on the 2N Device when the Door Entry Button is activated. This is also used in the Directory if multiple entry Buttons supplied.

**In User Phone Numbers**, enter the destination number to be called when the Door Entry Button is pressed. This can be any internal Directory number that can be dialled on the SV9100/SL2100 as an Extension, Virtual Extension.

			2N IP Verso CZ	EN   DE   FR   IT   ES   RU Log out
¢	Directory	<b>1</b> 02	← Back to List	
			User Basic Information ~	
-11	Users	>	Name NEC	;
<u>&amp;</u>	Time Profiles		Photo	
$\overline{\mathbf{A}}$	Holidays		E-Mail	
$\sim$			Virtual Number	
			Add to Display ~	
			Position in directory	Calling group
				X
			+	
			User Phone Numbers ~	
			Number 1	
			Phone Number 251	
			Time Profile 💿	[not used] • O
			2N® IP Eye Address	
			Group call to next number	
			Number 2	
			Phone Number	
			Time Profile 💿	[not used] • O
			2N® IP Eye Address	
				Save

Click Save when ready and return to the Home Page

Finally we need to select the Hardware Button from the Home Screen



In the **Switches area**, Tick Switch Enabled and then enter the Activation Code required to open the door. Set Accessibility to DTMF Only. The Code set in this example is 00 so to open the Relay the extension that answered the call would enter 00\*

$\sim$	~	2N IP Verso CZ   EN   DE   FR   IT   ES   RU Log out
<b>(</b>	Hardware 🜻	Switch 1 Switch 2 Switch 3 Switch 4 Advanced
		Switch Enabled
	Switches >	Basic Settings ~
	Door	Switch Mode Monostable ~
	Audio	Switch-On Duration 5 [s]
	Camera	Controlled Output Relay 1
	Kevnad	Output Type Normal ~
	Reypud	Time Profile   Inot used  V  O  Totath constant
	Buttons	lest the switch
	Backlight	Activation Codes ~
	Display	CODE ACCESSIBILITY TIME PROFILE
	Digital Inputs	1 00 DTMF only ▼
	Extenders	2 Keypad, DTMF • O [Inot used] • O [
	Lift Control	Distinguish on/off codes
		Extended Activation ~
		Activation by Call Disabled ~
		Activation by Quick Dial Button [not used]
		Activation by Time Profile 💿 [not used] 🔹 🔿 🔚
		Synchronization >
		Save

Click Save and return back to the Home Page. Then check if the device is registered as per the example for SIP 1 Number below. If it is then you are ready to make a test call.



## Known Limitations/Comments

- Video mode is only supported with peer-to-peer enabled.
- Video support with GT890 ST500 Application Only.
- Device is not capable of receiving incoming calls.
- Configuration notes provided are to set up a single 2N Verso SIP Door Entry Unit to the SV9100/SL2100 Platforms only.
- For further configuration information on the 2N Verso SIP Door Entry Unit then please view the installation Guide.

## **Compatibility Overview**

	Compatible/Incompatible
Registration - No Authentication	
Successful Registration	Compatible
Maintain Registration	Compatible
Registration Refresh	Compatible
Registration Failure	Compatible
De-registration	Not Applicable
Registration with Authentication	
Successful Registration	Compatible
Maintain Registration	Compatible
Registration Refresh	Compatible
Registration Failure	Compatible
De-registration	Compatible
Registration Failure 480	Compatible
Call to PSTN/ISDN	· ·
Call Setup	Not Applicable
Call Continuance	Not Applicable
Disconnect by Calling Party	Not Applicable
Disconnect by Called Party	Not Applicable
Call Cancel	Not Applicable
Call internal to Key telephone TDM/ GT890 / DT900	
Call Setup	Compatible
Call Continuance	120 seconds
Disconnect by Calling Party	Compatible
Disconnect by Called Party	Compatible
Call Cancel	Compatible
Incoming call from PSTN/ISDN	· · ·
Call Setup	Not Applicable
Call Continuance	Not Applicable
Disconnect by Calling Party	Not Applicable
Disconnect by Called Party	Not Applicable
Call Cancel	Not Applicable
Incoming call from Key telephone	
Call Setup	Not Compatible
Call Continuance	Not Compatible
Disconnect by Calling Party	Not Compatible
Disconnect by Called Party	Not Compatible
Call Cancel	Not Compatible
CODECs Disabling and Reordering	· · · ·
Disabled CODEC outgoing call	Not Compatible
Disabled CODEC incoming call	Not Compatible
CODEC order outgoing call	Compatible
CODEC order incoming call	Compatible
Sending digits during ringing	· ·
Sending digits during ringing	Not Applicable
Sending digits during conversation	

Conding digits during conversation	Compatible	
Sending digits during conversation Compatible		
Sending digits during ringing (DTMF Relay)		
Sending digits during ringing	Not Applicable	
Sending digits during conversation (DTMF Relay)	Not Appliashla	
	Not Applicable	
Hold & retrieve	Not Applicable	
Consult Transfer (Flash hook/recall)		
Hold & Transfer (REFER)	Not Applicable	
Blind Transfer (Flash hook/recall)	1	
Hold & Blind Transfer (REFER)	Not Applicable	
Call to PSTN/ISDN Peer to Peer enabled	1	
Call Setup	Not Applicable	
Call Continuance	Not Applicable	
Disconnect by Calling Party	Not Applicable	
Disconnect by Called Party	Not Applicable	
Call Cancel	Not Applicable	
Call internal to Key telephone Peer to Peer enabled (GT890)		
Call Setup	Compatible	
Call Continuance	Compatible	
Disconnect by Calling Party	Compatible	
Disconnect by Called Party	Compatible	
Call Cancel	Compatible	
Sending digits during ringing Peer to Peer enabled	-	
Sending digits during ringing	Not Applicable	
Sending digits during conversation Peer to Peer enabled	-	
Sending digits during conversation	Compatible	
Sending digits during ringing Peer to Peer enabled (DTMF Relay)	-	
Sending digits during ringing	Not Compatible	
Sending digits during conversation Peer to Peer enabled (DTMF Relay)		
Sending digits during conversation	Compatible	
Flash hook/recall Peer to Peer enabled		
Hold & retrieve	Not Compatible	
Consult Transfer (Flash hook/recall) Peer to Peer enabled		
Hold & Transfer (REFER)	Not Compatible	
Blind Transfer (Flash hook/recall) Peer to Peer enabled		
Hold & Blind Transfer (REFER)	Not Compatible	
Power out/kill process		
Unexpected SIP extension termination (Idle)	Compatible	
Unexpected SIP extension termination (In conversation)	Compatible	
Network Issues		
Disconnect the Ethernet cable X3 (During idle)	Compatible	
Disconnect the Ethernet cable X3 (During conversation)	Compatible	
Disconnect the Ethernet cable X4 (During idle) Compatible		
Disconnect the Ethernet cable X4 (During conversation)	Compatible	
Disconnect the Ethernet cable X2 (RTP stream) (During conversation)	Compatible	

Audio CODEC Overview – See section 7 for detailed test results of CODEC compatibility.		
G.711	Compatible	
G.729	Compatible	
G.722	Compatible	
G.726	Incompatible	

Video Overview – Supported using GT890 Terminal with ST500 Application		
H.264	Compatible	
H.263	Incompatible	
H.262	Incompatible	

## Further Support

Actual product support must be obtained from the supplier or manufacturer of the third party device.

### **Document History**

Version	Date	Description
1.0	02/03/2021	Initial Release

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