

innovaphone Compatibility Test Report

Vendor: *Siptronic*
Model: *ST-100*
Last Update: kbr, 1 July 2005

1 Background Information

2 Device Tested

Information in this chapter is derived from accompanying material and/or from visual inspection or from testing.

Sample chart

Sign	Category
Yes/ok	Yes, feature is present/ok
no	No, feature is not present/ok
n/a	Feature does not apply
nt	Not tested

Basic Device Information

Manufacturer	Siptronic	
Model	ST-100	
Hardware Revision		
Firmware Revision	H.323	1.42.028
Serial / MAC	000945408b40	

Documentation used included paper

Hardware provided for testing

Device Type	Applies?	Category
	yes	IP Hardware Terminal
	n/a	IP Software Client
	n/a	IP Software Server
	n/a	IP Gateway analogue
	n/a	IP Gateway ISDN
	n/a	IP Gateway SS7
	n/a	IP Gateway V5.2
		Other:
		Media
		Audio
		Video

Basic Device Characteristics

Signalling Stack

Applies?	Protocol
yes	H323

Signalling Stack

no	H450.2 Call Transfer
no	H450.3 Call Diversion
no	H450.4 Call Hold
no	H450.5 Call Pickup
no	H450.6 Call Waiting
no	H450.7 Message Waiting
no	H450.8 Name Identification
no	H450.9 Call Completion
no	H450.10 Call Offer
no	H450.11 Call Intrusion
no	SIP
no	MGCP
no	Skinny
no	IAX2
no	net2phone
no	wp

Supported codecs

Applies?	Codec
yes	G711
yes	G729

Supported codecs

yes	G723
n/a	G726
yes	GSM
yes	iLBC
n/a	T.38 TCP
n/a	T.38 UDP
n/a	XPARENT
n/a	H261/H263
yes	Supports VAD
n/a	Supports CNG
n/a	G722

Network Interface

Applies?	
yes	10 baseT
yes	100 baseT
yes	Full duplex
yes	Auto negotiation
yes	Auto sense
no	Hard configurable

Network Interface

yes	Extra PC Port
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User Interface

Applies?	
yes	Display alphanumeric 2 Lines by 16 columns
n/a	Display graphically by pixel
	No Display
n/a	Alphanumeric Keyboard
	"Terminate" Key
	"R" Key
yes	Redial Key
yes	Handsfree operation
yes	Loudspeaker
no	Headset support
yes	Displays Users Number
no	Displays Users Name
yes	Displays Calling Line ID (Number)
no	Displays Calling Line ID (Name)
no	Displays Calling Line ID (Display Info)
no	LDAP based Directory

User Interface

no	LDAP based CLI resolution
yes	Displays date and time
no	User can set diversion
no	Displays diversion
yes	Displays registration status
no	Supports multiple identities
no	Supports 3Way conferencing on its own

Management

Applies?	
yes	Admin Web Interface
yes	User Web Interface
no	Boots firmware from net
yes	Boots firmware from Flash
yes	Firmware web upgradeable
yes	Supports DHCP
no	Supports registration by serial
n/a	Supports H.235
no	Supports GK Detection

3 Test Results

Information in this chapter is derived from testing.

Date Test performed, by	30.06.2005 Karsten Brauner
Vendor Contact (Name, email)	
Device serial number	00-09-45-40-8b-40
Device Firmware used	1.42.028 H323
IP200 Firmware used	05-5863
IP6000 Firmware used	05-5888

Packaging and Physical Installation		Remarks	N/A	Not passed	Passed
Packaging	Appropriate packaging				x
	Can be easily re-used later on				x
Components	No components missing				x
	Power supply included				x
	Ethernet cable included			x	
	Device easily assembled				x
	Plugs etc. clearly labelled				x
Go/Nogo	Device works OK (not dead on arrival)				x

Feature	Description	Remarks	Result
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Setup	Register Device w/o specific configuration (requires DHCP, GK detection and "magic" alias)		
	DHCP is default		yes
	DHCP works		yes
	DHCP yields timeserver and time displays correctly		n/a
	SNTP config has TZ string for timezone/dst autoconfig		yes
	DHCP yields correct default gateway		n/a
	Device supports magic registration (e.g. by serial)		no
	GK discovery works		no
	Fixed GK registrations works		yes
	Registrations supports GK-ID		no
	Device registers w/o Extension (just by name)		no
	Device registers by extension		yes
	Device registers with H.235 password		no
	Device registers multiple identities		no
Device can configure IP address, GK attributes (gk-id, gk-ip, alias) from DHCP (vendor specific)		no	

Basic Call	Setup call from device to IP200, use vad/cng if supported, verify bidirectional media channel		
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	using g711a		yes
	using g711u		yes
	using g723		yes
	using g729		yes
	Device supports overlapped sending		no
	Device supports early media channel (before connect, e.g. "wrong number" announcement is heard)		no

	Setup call from IP200 to device, use vad/cng if supported, verify bidirectional media channel		
	using g711a		yes
	using g711u		yes
	using g723		yes
	using g729		yes
	Device shows CLI #		yes
	CLI name		no
	CLI Display Info		no
	Device shows called id #		no
	Called id name		no
	Voice Quality OK overall		yes

DTMF	DTMF tones sent correctly		yes
	DTMF tones received correctly (audible)		yes

	Device switches to DTMF mode automatically after connect		yes
Music on hold	Device plays music on hold when held remotely		no
	Held end hears music on hold when held by device		no
Hold/Retrieve	Device can put call on hold		yes
	Device can create secondary outgoing call		no
	Device can accept a secondary incoming call		no
	Device can terminate either call and retrieve remaining call		no
	Device can toggle between both calls, media stream ok		no
	Either call can be held remotely and retrieved remotely, media stream ok		no
	Device signals call hold to GK		no
Call Transfer (with cons.)	Device can be transferred by far end (check media ok, display on all 3 phones ok)		
	A calls T, a calls b, a xfers T to b	Works	no
	A calls b, a calls T, a xfers b to T	works	no
	T calls a, b calls a, a xfers T to b	works	no
	B calls a, T calls a, a xfers b to T	works	no

	Device can transfer both call ends (media ok, display on all 3 phones ok?).		
	T calls A, t calls b, t xfers A to b	works	n/a
	T calls b, t calls A, t xfers b to A	works	n/a
	A calls t, b calls t, t xfers A to b	works	n/a
	B calls t, A calls t, t xfers b to A	works	n/a

Call Transfer (blind)	Device can be transferred by far end (check media ok, display on all 3 phones ok)		
	A calls T, a xfers T to b	works	no
	A calls b, a xfers b to T	works	yes
	T calls a, a xfers T to b	works	n/a
	Device can transfer blindly (media ok, display on all 3 phones ok?).		
	T calls A, t xfers to b	works	no
	A calls t, t xfers to b	works	yes

Call Forwarding	Device displays current call forwarding (interrogation)		
	CFU		no
	CFNR		no

	CFB		no
	Device can set call forwarding		no
Directory	Device built-in directory		
	Exists		yes
	Can be dialled from		no
	Does CLI resolution		no
Hands free	Loudspeaker operation works fine		yes
	Hands free works fine		yes
	Volume adjustable during call		only in handsfree mode
Keys	Device has speed dial keys		yes
	Device has programmable function keys		no
Ethernet	PC port		
	Exists		yes
	Does auto sense		yes
	Does auto neg		yes
	Can be fixed		no

	Does basically work		yes
	Voice quality OK under heavy load		n/a
	PC Connectivity OK under heavy load		n/a
	spare wire		n/a
	phantom		n/a
	Device can set TOS for local VoIP		yes
	Device does not set TOS for PC traffic		n/a
	Device can use 803.2pq for local VoIP		n/a
	Device does not use 803.2pq for PC traffic		n/a

Various Remarks	?
	?

Language	Remarks	User Interface	Web Interface	Admin Manual	User Manual
German					
English		x	x		
French					
Dutch					

Italian					
Spanish					
Swedish					
Danish					
Norwegian					
Finnish					
Other					

4 Various Remarks

Device rings when call diversion is set/unset on the innovaphone pbx.

Busy phone is signalling "channel not free" error message when called!

When holding a call, caller gets an alert tone.

Call forwarding attempts always result in a "channel not free" error message.

LCD Display has a very small view angle.

5 Summary

Device is useful for basic mode telephony in H323 Mode.