



SIP Extension Compatibility Report

Cetis Hotel Phones SV9100

NEC Enterprise Solutions has performed Interoperability Testing with the Device and Switch(es) listed above on the date specified.

Please always refer to the appropriate SIP Extension Compatibility Report Index and the latest edition of a specific Compatibility Report on BusinessNet before considering connection.

If a Device is no longer mentioned in the Index then the Compatibility Report has been withdrawn and connection will no longer be supported by NEC Enterprise Solutions.

Test Completion Date:	18 th December 2020
Manufacturer:	Cetis
Models:	A Cetis declaration indicates compliance for; 3300 Series IP 3500 Series IP 9600 Series IP 9700 Series IP E Series IP I Series IP M Series IP
	Based on the NEC testing of the following terminals: E203IP E100IP 3300IP-TRM 3500IP-TRM 3500IPMWD
Firmware Version Tested:	v.3.0.0-043 v.3.0.0-058 (3500IP-TRM)
System Tested:	SV9100
Software Version:	V10.60.56
Test Plan Version:	10.0

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

Description of SIP Extension

Cetis E and M Series phones are designed for the Hotel and Motel industry (examples shown E203IP, 3300IP-TRM, E100IP)



Common Firmware on Cetis, Inc. SIP Phones

Cetis' SIP firmware follows a naming convention based on and mated to the phone model name. The newest Cetis SIP phones all share the same base chipset and firmware, meaning that models using the same number firmware version share the same traits and compatibility. Server registration, SIP messaging, and call control are all the same. The different prefixes are to accommodate variances in single vs. 2-line capability, corded vs. cordless radio handsets and LCD display screen sizes.

Example: CC1-3.0.0-024.bin is a firmware file for the models associated with that CC1 prefix. Firmware number 3.0.0-024 could have any of the below prefixes tying it to the associated models

Prefix	Model	Features
CC1	M100IP, ND2100IP, E100IP	1-line, corded
CC2	M200IP, ND2200IP, E200IP	2-line, corded
CD1	9600IP, M103IP, NDC2100IP, E103IP	No LCD display, 1-line, cordless
CD2	9602IP, M203IP, NDC2200IP, E203IP	No LCD display, 2-line, cordless
C31	3300IP	2-Line LCD display, 1-line, corded
C32	3302IP	2-Line LCD display, 2-line, corded
CT1	3300IP-TRM, M100IP-TRM	1-line, corded, Trimline form
CT2	3302IP-TRM, M100IP-TRM	2-line, corded, Trimline form
CM1	E100IP-TRM	1-line, corded, Trimline form
CM2	E200IP-TRM	2-line, corded, Trimline form

CC = Cetis Corded | CD = Cetis DECT/Cordless | CT/CM = Cetis Trimline | C3 = Cetis 3300 series

The current SIP phone firmware (3.x) is NOT compatible with the SIP phones using (1.x) firmware or (2.x) firmware. Each of these SIP endpoints are distinct and separate hardware technologies, although they will have the same physical form factor and physical aesthetic characteristics in many cases.

Notable additional features in the newest phones are:

Support of LLDP-MED protocols in network deployment | Support of macaddress named configuration files in network deployment. More sophisticated provisioning methods and re-direction server for cloud-based deployment is also supported.

SIP Extension Configuration

Configuration is driven by browser interface.


The system needs to have an IP address assigned to it to allow access.

If you can use DHCP, this will be easier, and you can assign static address at a later stage if required.

The IP Address of the terminal can discovered by going off-hook and dialling **47#

Log into the web GUI using the phone IP address

Default username = admin, default password = admin.

Cetis 		SYSTEM SUMMARY
		Model: CD2 WAN IP: 172.16.0.59 Phone Number: 106 Firmware Version: CD2-3.0.0-043
Home • VoIP Settings • Primary Register		
Primary Register		
Main Server: Registered		Backup Server: Not configured
Register Server		
Use Service	Enable ▾	
Display Name	Room 106	
User Name	106	
Authorization User Name	106	
Password	*****	
Register Server Port	5070	
Register Server Address	172.16.0.10	
Domain Realm		
Outbound proxy		
Register Expire	300	
SIP Backup Type	None ▾	
SIP Backup Server		
Protocol Control		
MWI Subscribe	Enable ▾	
Subscribe Expire	300	

Known Limitations / Comments

G.711 is the preferred codec. G.711 A-law, G.722 and G.729 are supported.

- SV8100 and SL1x00 are **NOT** supported platforms.
- Blind transfers are not possible when using peer to peer mode
- Transfers on the two line handset is done using the line keys, and conference
- Tested for Hotel functionality
 - Guest name not displayed on the phone when calling room to room (when enabled)
 - Minibar items do not work.
 - Wake up message not displayed on trimphone variants.
 - Call transfer not possible from Trimphone versions.

Compatibility Overview

	Compatible/Incompatible
Registration – No Authentication	
Successful Registration	Compatible
Maintain Registration	Compatible
Registration Refresh	Compatible
Registration Failure	Compatible
De-registration	Compatible
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	Compatible
Call Continuance	Compatible
Disconnect by Calling Party	Compatible
Disconnect by Called Party	Compatible
Call Cancel	Compatible
Call internal to Keytelephone	
Call Setup	Compatible
Call Continuance	Compatible
Disconnect by Calling Party	Compatible
Disconnect by Called Party	Compatible
Call Cancel	Compatible
Incoming call from PSTN/ISDN	
Call Setup	Compatible
Call Continuance	Compatible
Disconnect by Calling Party	Compatible
Disconnect by Called Party	Compatible
Call Cancel	Compatible
Incoming call from Keytelephone	
Call Setup	Compatible
Call Continuance	Compatible
Disconnect by Calling Party	Compatible
Disconnect by Called Party	Compatible
Call Cancel	Compatible
CODECs Disabling and Reordering	
Disabled CODEC outgoing call	Compatible

Disabled CODEC incoming call	Compatible
CODEC Order outgoing call	Compatible
CODEC order incoming call	Compatible
Sending digits during ringing	
Sending digits during ringing	Compatible
Sending digits during conversation	
Sending digits during conversation	Compatible
Sending digits during ringing (DTMF Relay)	
Sending digits during ringing	Compatible
Sending digits during conversation (DTMF Relay)	
Sending digits during conversation	Compatible
Flash hook/recall	
Hold & retrieve	Compatible
Consult Transfer (Flash hook/recall)	
Hold & Transfer (REFER)	Compatible
Blind Transfer (Flash hook/recall)	
Hold & Blind Transfer (REFER)	Compatible
Doorphone Operation	
Call From Doorphone to SIP extension and release door lock	N/A
Call From SIP extension to Doorphone and release door lock	N/A
Call to PSTN/ISDN Peer to Peer enabled	
Call Setup	Compatible
Call Continuance	Compatible
Disconnect by Calling Party	Compatible
Disconnect by Called Party	Compatible
Call Cancel	Compatible
Call internal to Keytelephone Peer to Peer enabled	
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	Compatible
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	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	Compatible
Consult Transfer (Flash hook/recall) Peer to Peer enabled	
Hold & Transfer (REFER)	Compatible
Blind Transfer (Flash hook/recall) Peer to Peer enabled	
Hold & Blind Transfer (REFER)	Compatible
Doorphone Operation Peer to Peer enabled	
Call From Doorphone to SIP extension and release door lock	N/A
Call From SIP extension to Doorphone and release door lock	N/A
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

CODEC Overview – See section 7 for detailed test results of CODEC compatibility.	
G.711	Compatible
G.729	Compatible
G.723	Incompatible
G.722	Compatible
G.726	Incompatible
iLBC	Not tested

CODEC Overview – See section 7 for detailed test results of CODEC compatibility.	
G.711 A-law	Compatible
G.722	Compatible
G.729	Compatible
G.723	Not compatible

Further Support

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

The manufacturer's website is – <http://www.cetisgroup.com>

Document History

Version	Date	Description
1.0	10 th June 2016	Initial Release for E200IP
2.0	19 th July 2016	Amended to inform that a Cetus declaration indicates compliance for; E100IP corded series with various guest key options. E103IP DECT series with various guest key options. E203IP DECT series with various guest key options. M100IP corded series with various guest key options. M103IP DECT series with various guest key options. M200IP corded series with various guest key options. M203IP DECT series with various guest key options. Based on the NEC testing of the E200IP
3.0	11 th March 2020	Amended to show support for Cetus firmware version v3.0.0-043
4.0	12 th March 2020	Amended to inform that a Cetus declaration indicates compliance for: 3300 Series IP 9600 Series IP E Series IP I Series IP M Series IP
5.0	12 th March 2020	Inclusion of Cetus SIP Conformance Statement
6.0	18 th December 2020	Inclusion of 3500 Series IP
7.0	4 th January 2021	Inclusion of 9700 Series IP

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