Siedle Access SIP Configuration



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Siedle Access SIP Configuration

Description

This document is to inform you about the interoperability between a Crestron TSW-752 Panel and the Siedle Access Server. The system includes a Siedle ATLC 670-0 (Access door intercom unit) that operates as a second participant.

Setup

Vendor	Model	Software Release
Crestron	TSW-752	PUF 1.000.0046
Siedle	Access Server	access@siedle.de
Siedle	ATLC 670-0	access@siedle.de
Siedle	AVA 670-0	access@siedle.de

Additionally Tested Terminals Compatible to the Setup

Model	Software Release
TSW-750	PUF 1.000.0046
TPMC-4SM-FD	PUF 1.010.0042
TPMC-9L	PUF 11.068.0103
TPMC-V15	PUF 1.00.02.785
	Model TSW-750 TPMC-4SM-FD TPMC-9L TPMC-V15

Configuration

Participants

Open the web-interface of the Siedle Access system and click onto the menu tab 'Participant and select the folder 'Participant.



Picture 1 – Subscriber Overview

Adding a participant

A new tab opens up. You can now add a new participant via clicking onto 'Add' 'Participant'. Enter the name and assign a password. This password is the user-password for the Crestron touch panel.

Votes		
General		
Name:	Apartment 1.1	
Description:	Description: Ein Teilnehmer	
Phone number:	110	
Phone book:	Telefonbuch	
Assignment:	Crestron	
Video mode:	O Unicast	Multicast
Account name:	user0305	
Password:	arestron	
Automatic video memory active:		

Picture 2 – Add Subscriber

Via 'Add' 'Terminal' -> 'SIP-Audio Telefon' a terminal can be added to a participant. Confirm the refreshed window with 'Save'. The 'Telephone Number' is the local extension of the Crestron touch panel.

星 Edit Device	: TSW 752 1.1		
Add Save De	★ ☆ elete Reboot		
	Name:	TSW 752 1.1	
and a second	Description:	SIP-Audio Telefon	
	Call number:	1100	
	Assignment:	Appartment 1.1	
	Hardware revision:	SipAudioPhone	
	Password:	crestron	
	Phone script:	Standard Telefonskript	
Picture 3 – Add Analogue	Telephone		

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Siedle Access SIP Configuration

For our test system setup, the Crestron touch panel is to be called via the call key (bell button) of the Access door intercom unit. Herefore you select from the Access-subscribers your door intercom unit and click onto the tab 'Key Configuration'.

In our case the function of the key can be selected via 'Module 1' 'Key 1'. Select 'Subscriber Call' and next to it the corresponding (already configured) call destination (see point 2 & 3).

Votes			
- ✔ General - ▲ Button config	uration		
Single click			
Modules conner	sted with atlm		
Door light Module 1	Scripts and switching fun	C V Door light	Set
Button 1	Participant call	▼ Concierge	Set
Button 2	Group call	Apartment 1	Set
Button 3	No action	Set	
Button 4	No action	Set	

Picture 4 - Edit Subscriber: ATLC 670-0 001

In case that several Crestron touch panels have been deployed, they can be simultaneously called. To enable this, a group of subscribers has to be configured prior to a call.

Herefore go onto 'Groups' and select the menu tab 'Individual Groups'. In this mask you can add a group by clicking 'Add' 'Groups'.

Assign a name for this group and assign into it the required Crestron touch panels.

This group can be assigned to a key-configuration of the door intercom unit instead of a subscriber.

Crestron Touch panel configuration

SIP Settings

- 1.) Start the Crestron Toolbox and open the text console a connection to the Crestron Touch panel is now being set up.
- 2.) Now enter the following commands to configure the Crestron Touch panel.

SIPMODE SERVER SIPAUDIOMODE FD SIPAUTOMODE DS SIPLOCALPORT 5060 SIPSERVERPORT 5060 SIPSRVREALM * SIPSRVIPADDRESS IP_OF_ACCESS_SERVER SIPNAMESRV IP_OF_ACCESS_SERVER SIPPROXYSRV IP_OF_ACCESS_SERVER SIPLOCALNAME SUBSCRIBER_NAME_OF_SUBSCRIBER_IN_ACCESS_SERVER o See Picture 2, Entry Field 'Name' (Apartment 1.1) SIPLOCALEXT TELEPHONE NUMBER OF ANALOGUE TELEPHONE SUBSC RIBER o See Picture 3, Entry Field 'Phone Number (1100) SIPSRVUSER ACCOUNT_NAME_OF_SUBSCRIBER o See Picture 2, Entry Field 'Account Name' (user0305) SIPSRVPASS PASSWORD_OF_SUBSCRIBER o See Picture 2, Entry Field 'Password' (crestron)

Checking the Connection to the Siedle Access System

The status of all subscribers (e.g. whether they are connected) can be viewed via the webinterface of the Siedle Access system by clicking 'System Maintenance' 'Participant Status'. An already established connection is marked with the status 'Idle'.

Touch panel-GUI

Reserved joins

All Rava-functions can be directly controlled through Reserved Joins via the VTP-Pro-e. Therefore a Rava-function merely requires the entry of the corresponding parameters into the text console and the setup of the correct Reserved Joins in the VTP-Pro-e interface. Below is a screenshot of an example user interface.



With the help of this user interface, you can already make calls without control.

You can additionally configure and control the Crestron touch panel via 'SIMPL Windows'. For this option add the device extender 'VOIP Reserved Joins' to the touch panel.

With this device extender, some of the RAVA-functions are applicable. See the following screenshots.



With the 'String_To_Dial'-string you can directly call extensions or groups, e.g. '*100'.

Video

To show video on the touch panel you need to use a Siedle AVA 670-0 converter. This unit will convert the analog video signal of the door station to a coax signal. This coax video signal is then sent to a video encoder. During testing we used a CEN-NVS-200 and an Axis M7001. The used streaming format (M-JPEG or H264) depends on the provided streams of the video encoder.

To manage video routing we provided an I2P module (Siedle Access v1.0 Video Router.umc) that is capable to retrieve the correct video URL based on the Incoming URL reserverd VOIP join of a touch panel. Below you can see a screenshot of the module.

	Siedle Access v1.0 Video Router			^
Init Video routing module	Initialize	[Initialization_Complete]		
		[*
Panel1 Incoming URL	Panel 1 Incoming URL	[Panel 1 Video URL Text]	Panel1 Video URL Text	
Panel2 Incoming URL	[Panel 2 Incoming URL]	[Panel 2 Video URL Text]	Panel2 Video URL Text	*
Panel3 Incoming URL	[Panel 3 Incoming_URL]	[Panel_3_Video_URL_Text]	Panel3 Video URL Text	1
Panel4 Incoming URL	Panel 4 Incoming URL	[Panel 4 Video URL Text]	Panel4 Video URL Text	*
Panel5 Incoming URL	[Panel 5 Incoming URL]	[Panel 5 Video URL Text]	Panel5 Video URL Text	*
Panel6_Incoming_URL	[Panel_6_Incoming_URL]	[Panel_6_Video_URL_Text]	Panel6_Video_URL_Text	1
Panel7_Incoming_URL	[Panel_7_Incoming_URL]	[Panel_7_Video_URL_Text]	Panel7_Video_URL_Text	1
Panel8_Incoming_URL	[Panel_8_Incoming_URL]	[Panel_8_Video_URL_Text]	Panel8_Video_URL_Text	[
	[Panel_9_Incoming_URL]	[Panel_9_Video_URL_Text]		[
	[Panel_10_Incoming_URL]	[Panel_10_Video_URL_Text]		[
I	(Depair 07 Jacomian UDL)	(Depel 07 Video UDI Text)		
	[Panel_97_Incoming_URL]	[Panel_97_Video_URL_Text]		→
	[Panel_98_incoming_ORL]	(Panel_98_Video_URL_Text)	l	⇒t
	[Panel_99_Incoming_URL]	[Panel_99_Video_URL_Text]		→
	[Panel_100_incoming_URL]	[Panel_100_video_URL_1ext]	l	→
			Denald Caller Disale Mana	
		[Panel_1_Caller_DisplayName]	Panel1_Caller_DisplayName	→
		[Panel_2_Caller_DisplayName]	Panel2_Caller_DisplayName	→
		[Panel_3_Caller_DisplayName]	Panei3_Caller_DisplayName	→
		[Panel_4_Caller_DisplayName]	Panel4_Caller_DisplayName	→
		[Panel_5_Caller_DisplayName]	Panel5_Caller_DisplayName	→
		[Panel_6_Caller_DisplayName]	Panel6_Caller_DisplayName	→
		[Panel_7_Caller_DisplayName]	Panel/_Caller_DisplayName	→
		[Panel_8_Caller_DisplayName]	Panel8_Caller_DisplayName	→
		[Panel_9_Caller_DisplayName]	1	→
		[Panel_10_Caller_DisplayName]	1	→
		[Panel_11_Caller_DisplayName]	1	→
		IPanel 12 Caller DisnlavNamel		
		[Panel_94_Caller_DisplayName]		F
		[Panel_95_Caller_DisplayName]		•
		[Panel_96_Caller_DisplayName]		۶.
		[Panel_97_Caller_DisplayName]		۶.
		[Panel_98_Caller_DisplayName]		•
		[Panel_99_Caller_DisplayName]		۶.
		[Panel_100_Caller_DisplayName]		•
Number_of_Panels	8d			
Access_Server_IP	"192.168.1.1"			
Concierge_IP	"192.168.1.1"			
Concierge_Forward_Port	2000d			
Extension 1	110d			
Extension 2	120d			
Extension 3	210d			
Extension 4	220d			
Extension 5	310d			
Extension 6	320d			
Extension 7	410d			
Extension 8	420d			
Extension 9	0d			
Extension 10	0d			
Extension 11	0d			

Add Save De	elete Reboot		
	— 🔻 Notes		
	r- 🔺 General		
	Name:	Entrance	
	Description:	[C]192.168.1.50	
72 27	Call number:	2000	
	Assignment:	Project	
	MAC address:	D4:E3:2C:03:10:F5	
	Hardware revision:	ATLC-V1	
	Voice volume:	— <u>—</u> ———	
	Microphone sensitivity:	— —— —————————————————————————————————	
	Camera available:	🕑 Yes 🕒 No	
	Phone script:	Standard Telefonskript	
	TLC button acknowledgement:		
	— ▼ Button configuration —		
	— 🔻 Switching outputs / inputs ——		
	— 🔻 Doormatic		

Siedle Configuration:

Select the door station and use the description field to set the camera IP address. Format: [C] followed by the IP address of the IP camera.

When a call is received from the touch panel, the module will communicate with the access server to retrieve the video URL of the correct door station. The module can be used to handle video routing for up to 100 touch panels.

Note that the extensions used to call a touch panel are the Participant phone numbers (Screenshot 2) and not the terminal phone numbers (Screenshot 3). These phone numbers need to be filled in on the Extension_x parameters of the Siedle Access v1.0 Video Router module.

See Siedle Access v1.0 Help for more details on the video routing module.



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Specifications subject to change without notice.