

OPUS + 2N

INTEGRATION MANUAL

EN



TELETASK

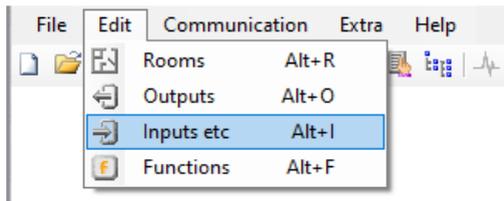
trendsetter in home automation

OPUS Configuration in PROSOFT

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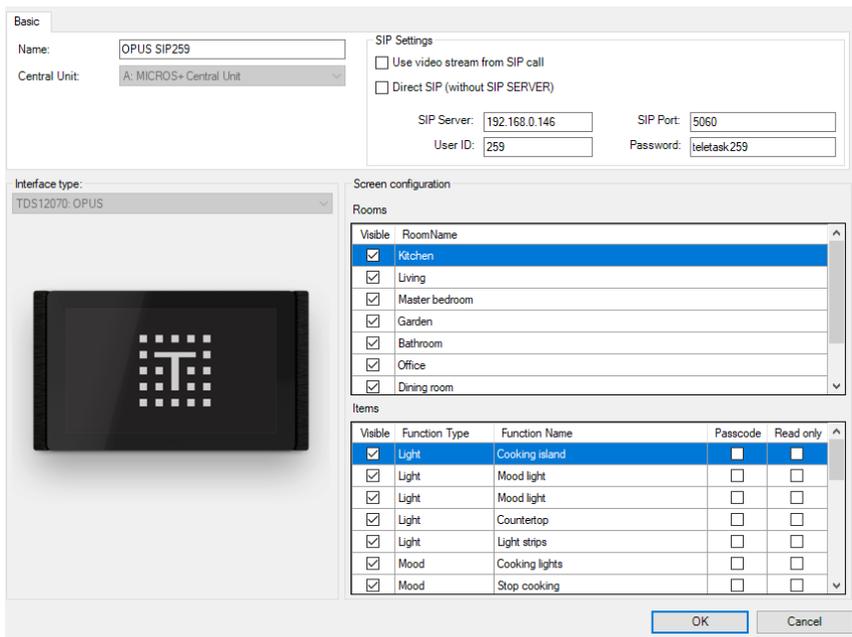
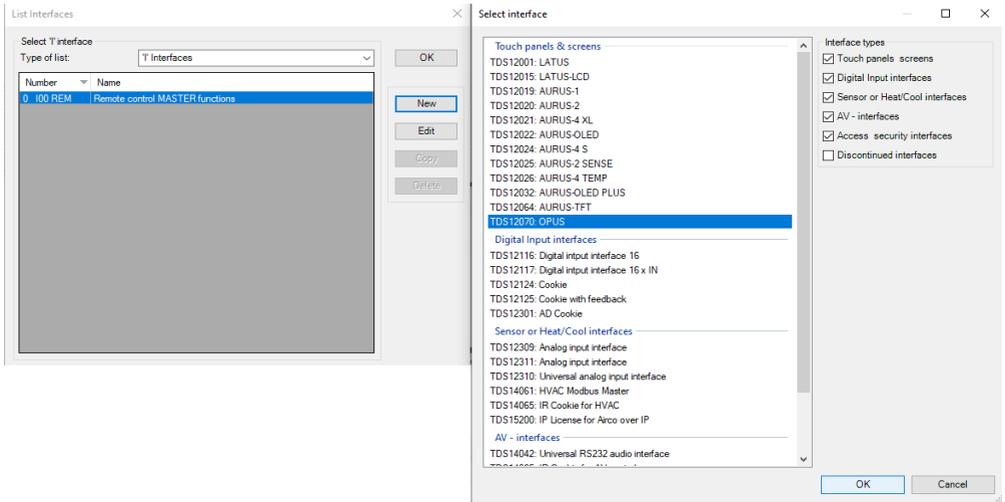
First you need to add the OPUS as an input interface to the PROSOFT – inputs menu (click 'edit' – 'inputs etc' – 'new' – 'TDS12070' – 'OK'). Then you can custom configure the OPUS video phone and home automation functions at any time.



In PROSOFT, on the OPUS configuration screen, you can configure the two different application groups:

- the configuration of the VoIP SIP functionalities
- the configuration of the home automation functions (not explained here).

Remark: PROSOFT Suite is only available for registered [professionals](#).



Configuration of the OPUS VoIP SIP functionalities in PROSOFT

EN

SIP Settings

Use video stream from SIP call

Direct SIP (without SIP SERVER)

SIP Server: 192.168.0.146 SIP Port: 5060

User ID: 259 Password: teletask259

On the top right side (see capture above) you can configure the door phone unit details. Any external door phone needs to communicate its voice over SIP.

Use Video stream from SIP call (recommended)

Some door phone systems are also capable to send their video stream over SIP. It is recommended to use this feature when available because this improves the lip (voice) syncing with the image.

Remark: both the outdoor unit and the SIP server need to support the 'early media' feature for video stream from SIP call mode.

Direct SIP

2N units do not have internal SIP server. It was tested with a SIP server UNIFY Openscape bussines, as external SIP server.

We also tested early media with a YeaStar SIP server and with Direct SIP (the UNIFY doesn't support Early media)

Sip Server

The IP address of the SIP server (not available when direct SIP mode is selected).

Sip Port

The port number of the SIP server or the Port number for OPUS in case of direct SIP.

User ID

The SIP id (number that needs to be dialed in)

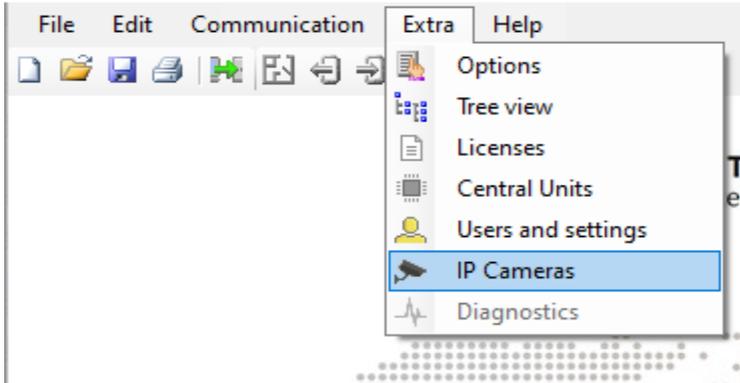
Password

password associated with the SIP id which is configured in the SIP Server.

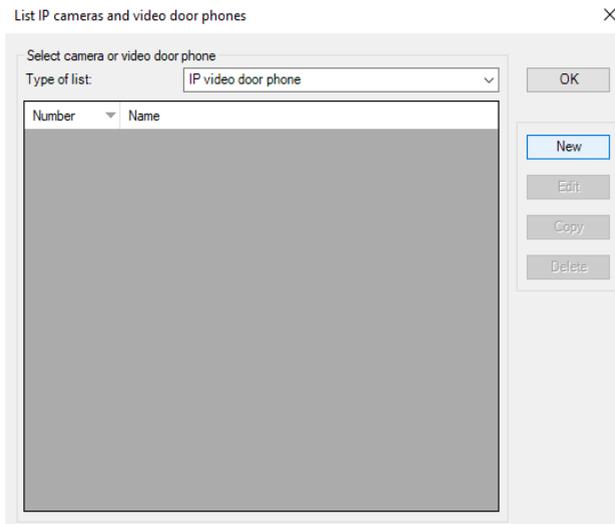
Configuration of the outdoor SIP door phone unit in PROSOFT

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- The outdoor door phone unit is added to the TELETASK system as an IP camera. Go to **Extra – IP Cameras** menu



- Select IP Video Door Phone and click on **'New'**



3. Fill in the General, Video settings, VoIP settings and Door opener settings as described below

Define IP camera or video door phone ✕

General

Camera name:

Video settings

Camera Url:

Camera port for cloud access:

Motion JPEG mode:

Still Image: fast response, but lower framerate

Server streaming: higher frame rate

Real time streaming: H264 (Opus)

Authentication (optional, not recommended for 'Still Image):

User name:

Password:

VoIP Settings

VoIP Call ID:

DTMF accept call:

DTMF end call:

Door opener settings

TELETASK function:

DTMF door code:

General

Number

The order of the cameras is important. In the OPUS when pressing the 'Cameras' icon, they are shown based on the numbering of the camera list of PROSOFT.

Name

Name of the door phone unit. e.g. 'Front door'

Video settings

Camera Url

link to the video stream of the door phone. This stream will be used for the camera view in OPUS as well during SIP calls when the option to "use video stream from SIP call" is unchecked in PROSOFT.

Available URL's:

- JPEG (Still Image):
<http://192.168.0.134/api/camera/snapshot?width=640&height=480>
- Motion JPEG:
<http://192.168.0.134/api/camera/snapshot?width=640&height=480&fps=10>
- RTSP/H263: rtsp://192.168.0.134:554/mpeg4_stream
- RTSP/H264: rtsp://192.168.0.134:554/h264_stream

REMARK: The JPEG compression level must be changed to 85 for streaming the JPEG and MJPEG fluently. There is also a RTSP link for Motion JPEG but it is not working on the OPUS

Camera port for cloud access

Used for TELETASK (iSGUI) app. Possible to connect to a mobile device such as a smartphone or tablet to get the camera image. Not explained here.

Motion JPEG mode

. Still Image: The provider URL will be demanded a single image. The video stream is made by continuously demanding new still images from the camera (the least recommended solution).

. Server streaming: The provider URL is fetching a mjpeg stream (preferred way of working; voice not synchronised but only with limited delay).

. Real time streaming: based on the RTSP protocol. In this case, the stream must

be H264 video encoding (to be set in the camera if available). H264 has the disadvantage that the stream is slightly delayed and that there is no synchronisation with the audio (voice).

Authentication

An authentication password may be necessary for accessing the video stream. Leave the fields empty in case no authentication has been configured in the camera

VoiP Settings for this camera

Voip call ID

SIP ID of the outdoor unit.

DTMF accept call

not for OPUS

DTMF end call

not for OPUS

Door opener settings

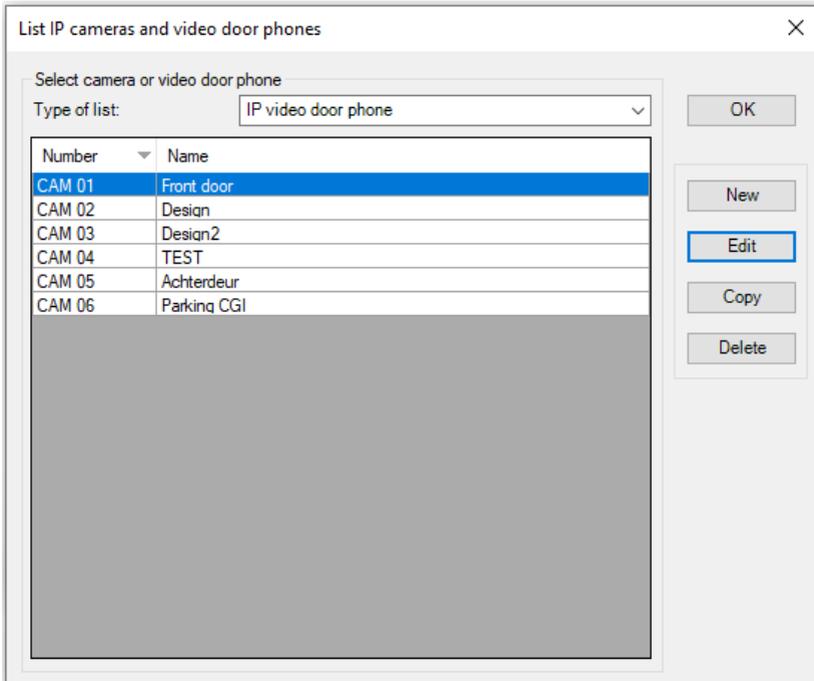
TELETASK function

Select a function that can be executed from the OPUS during a call to open the front door or what was configured in the function.

DTMF door code

PROSOFT: for DTMF door code = code*. The asterisk (*) must be placed behind the DTMF code. For the 2N config see 2N settings.

4. Click '**OK**' to save the settings
5. You can now add more door phones or cameras and edit them



Configuration of the OPUS audio

Audio settings such as speaker and microphone scaling can be configured after OPUS installation. Default values were found to be OK. Tested values with satisfied results:

- SIP Speaker scaling 8
- SIP Microphone scaling 20
- Voice 80%
- Speaker Master volume +4dB
- Microphone Master volume +4dB

2N Configuration

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Tested Units

- **2N IP VERSO**

Concerning other 2N devices

2N IP Solo and **2N IP Base** are very similar, so should work the same way.

2N IP Force is slightly different hardware, but the same software platform of the 2N IP Verso, so we don't expect any problem also.

SETUP: Devices were connected to the local test network via a POE switch that was grounded. The OPUS was also connected to the same network in a different room.

Supported features

- Video calls from intercom to OPUS panel
- Peer-to-peer SIP calls
- Video calls via SIP Server, Tested: UNIFY Openscape bussines
- Door lock control

Supported Version

TELETASK unit	control	2N IP intercom version	SIP video calls	Switch control (door lock only)
TDS12070 OPUS 7" touch screen		2.25 and higher	V	V

SIP Server configuration for 2N

[SIP Proxy – How to register 2N IP Intercom to SIP Proxy server](#) [Direct call – How to set up 2N IP Intercom without IP PBX](#)