

# IAP

## Internal Audio Processing Function



### Features and Functions

- Recording and playback of audio files
- Support of up to 10 independent internal audio channels
- Management of max. 1,000 different tracks
- 500 MB memory for up to 2 hours of audio files
- Integration into the fault detection system of the INDUSTRONIC system
- No separate hardware required

The internal audio processing function (IAP) is part of the DXC software from version 7.0.0 and runs only together with the central exchange board of the 1 DXC 04 series. It enables the recording and the playback of tones and texts. You can play back any combination of pre-defined texts and tone signals.

This function is especially important in systems that are used to alert and warn people.

### Audio Channel

An audio channel enables speech and tone information to be transmitted from a DXC with activated IAP function to connected peripheral devices.

You can activate up to 10 audio channels per DXC and use them independently from one another. You can choose the number of available audio channels by function activation.

### Handling of Audio Files

The text and tone sequences are directly stored onto the compact flash card of the central exchange board 1 DXC 04. There is a space of 500 MB available for audio files. A maximum of 1,000 tracks can be stored in \*.wav format.

The \*.wav files are packed into a file using INDUSTRONIC's configuration software Config Manager and then uploaded via the DXC web interface. Here, you can also set and store the output level globally for all tracks or individually for each track.

### Electrical Data

|                              |  |
|------------------------------|--|
| • Memory for tones and texts | 500 MB (playback time approx. 2 hours)<br>(on the Compact Flash Card of the DXC) |
| • Max. number of tracks      | 1,000  |
| • Audio codecs               | G.711 (A-Law), G.722   |
| • File format                | *.wav (16 Bit linear, mono, 32 kHz)  |

| Order Data | Type Number | Description  |
|------------|-------------|--|
|            | 101-300-101 | ACT-2 IAP VoIP Channels<br>Activation of two VoIP channels for the internal audio processing function within the INTRON-D <i>plus</i> system network |

**INDUSTRONIC®**

Industrie-Electronic GmbH & Co. KG  
Carl-Jacob-Kolb-Weg 1  
97877 Wertheim / Germany

Phone: +49 9342 871-0  
Fax: +49 9342 871-565

info@industronic.de  
www.industronic.com