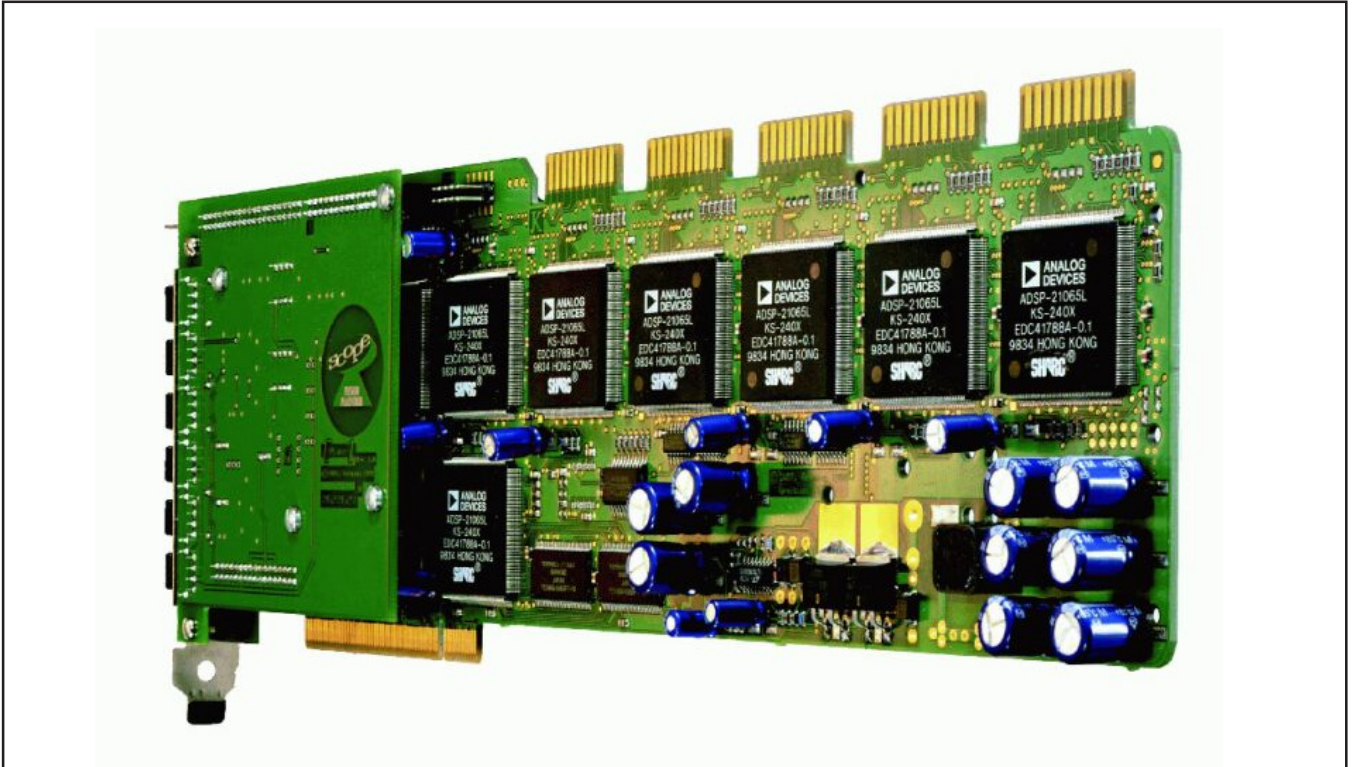


### CDS-Virtual Audio Network VAN® DSP15 (PCI-printed circuit board)

BRÄHLER ICS is committed to continually improving its products and so reserves the right to make technical modifications without notice



#### Description

Part of the CDS-Virtual Audio Network VAN® (digital audio signal processing, effects, etc.) is a PCI-board with 15 Digital Signal Processors (DSP). With this PCI-board powerful tools for superior sound performance are available and can be used for different system configurations. Through the internal multi-tasking operation system a tremendously high number of applications are possible now.

This gives the opportunity that compiler runs are not necessary at all, that means the result in adjusting the system is audible in real-time. The DSP15 has in combination with the interface unit 24 I/O audio channels. Several cards (DSP15 / DSP6) can be stepped together to extent the I/O lines to a maximum of 120 (max. 5xDSP15 = 5x24 = 120 I/O) within one system depending on the internal S/TDM-Bus).

The DSP15 has no audible latency time, the calculation power is extremely high.

Extensive software including effect and mixing devices will be delivered with the DSP15-card. This Software also allows you create your own devices, surfaces and environment.

#### Option

- Modem for online support
- Dual Head graphic adapter
- LCD-panel
- Touch panel
- MIDI Motor mixer
- CD-burner (HD-recording)
- Brähler AD/DA interface unit (B8) recommended

#### Accessories

- Connection cable ADAT-optic
- Adapter cable (C25 to MIDI, 2x IN/ OUT/ Through)

#### Technical Data

##### Sampling rate:

- 44.1 kHz, 48kHz (as Wordclock - Master 32kHz and 96kHz as well)
- 38 kHz - 50kHz (ADAT Slave)

##### Number of channels:

- 24 In- and 24 Outputs - via ADAT-opto
- 3 In- and 3 Outputs (each connector 8 channels, 24-bit)

##### Digital Inputs and Outputs:

- ADAT-optical (each connector 8 channels, 24-bit)
- S/PDIF RCA unbalanced 75 Ohms
- AES/EBU (DSP4-Plus) XLR balanced 100 Ohms

##### Audio Performance:

- Digital to Analogue:
- Frequency response: 20Hz - 20kHz (+/- 0.15dB)
- Dynamic Range > 102 dB
- THD + N > 99 dBA typical
- Channel Separation > 105 dB @ 1kHz (997 Hz)

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#### Analogue to Digital:

Frequency response: 20Hz - 20kHz (+/- 0.05dB)  
Dynamic Range > 98 dB  
THD + N > 95 dBA typical  
Channel Separation > 102 dB @ 1kHz (997 Hz)

#### Analogue to Analogue:

Frequency response: 20Hz - 20kHz (+/- 0.2dB)  
Dynamic Range > 97 dB  
THD + N > 94 dBA typical  
Channel Separation > 102 dB @ 1kHz (997 Hz)

#### I/O at the B8 AD/DA interface unit:

Analogue Inputs: (at interface unit)

Input level:

- balanced 1/4"-female/ XLR male connector - 40dB to + 4 dB
- Input impedance 10 kOhm

Analogue Outputs: (at interface unit)

Output level:

- balanced 1/4"-female/XLR- male connector + 4 dB
- Output impedance 300 Ohms

Digital Inputs and Outputs:

- ADAT (each connector 8 channels, 24-bit)

#### Specification: CDS-Virtual Audio Network VAN® - PC

- Board: PIII 100MHz FSB
- Processor: Intel Pentium III (500MHz or higher)
- RAM: min. 128 MB
- Graphic adapter: min 16MB (AGP), X VGA, true colour
- Hard disk: with approx. 100 MB free disk space
- Floppy: standard
- CD-drive: standard
- Operating system: Win98 SE
- 17" screen, recommended 19" or bigger TCO99
- one PCI-Slot per DSPx-card (long format)
- Keyboard, mouse: standard

#### Tender Spezifikation

Part of the CDS-Virtual Audio Network VAN® must be a PCI-board with 15 Digital Signal Processors. With the different PCI-boards powerful tools must be available and used for different system configurations. Through a very flexible DSP-operating system the maximum performance must be available, compiler runs should not necessary that means the result in adjusting the system must audible in real-time. The PCI-board with 15 Digital Signal Processors has in combination with the B8 interface unit 24 channels available. Several cards (DSP15 / DSP6) must be stepped together to extent the I/O lines to a maximum of 120 (max. 5xDSP15 = 5x24 = 120 I/O) within one system depending on the internal S/TDM-Bus).

In the PCI-boards we do not have a latency time, the calculation power must be extremely high.

Extensive software including effect and mixing devices will be delivered with the DSP15-card. This Software also allows you to create your own devices, surfaces and environment.

PCI-printed circuit board model BRÄHLER ICS®, type DSP15 or equivalent.