

CDSVAN

Digital Signal Processor and Data Converter Card DSP6/EDAT



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

Description

As the central element of the CDSVAN system provides the DSP6/EDAT signal processor card a considerable DSP power for real time audio signal processing.

It consists of a PCI **D**igital **S**ignal **P**rocessor board with 6 SHARC DSPs and an I/O data converter adapter "EDAT" . Up to 3 DSP boards are cascable using the S/TDM bus.

The I/O data converter adapter "EDAT" is equipped with 4 EDAT sockets (RJ45) for digital audio and control data communication with external CDSVAN system components like delegate- and interpreter units (DV9, DDV9, DOLV/E)*, AD/DA converter (B8), IR transmitter (MSI8V) or channel selectors (EWD216)*.

For system operation CDSVAN software is required and available for a multitude of applications. For the use of the additional, analog in- and outputs the I/O cable adapter KBDSP6 is necessary (see accessories).

*additional power supply required (PSU01, PSU04, RSP8V)

Technical Data

Sample rates

- 32, 44.1, 48 kHz (wordclock master)
- 32 ... 50 kHz (wordclock slave)

Signal process resolution

- 32-bit

In-/Outputs

- 4 EDAT I/Os (RJ45) for each 16 digital audio in- and output channels and CDSVAN system control data

Data converter

- 2 channel AD/DA converter (24-bit)

Accessories (not included in delivery)

KB.DSP6 (part no. 07.0208)

- Cable adapter D-Sub 25 to XLR (audio) and DIN (MIDI), electronically balanced
- CDSVAN software packages

- Various types available

MotorMix (part no. 07.0300)

- Motor mixer interface, MIDI controlled

DSP6/PLUS (part no. 07.0260.C)

- The DSP6 processor card is also available with I/O adapter "PLUS"