16 Bit PXI I/O Board with 32 or 64 Analog Outputs

Artikelnummer: CP266-ZAx1 Series/Model: CP266

 Click to enlarge

16 Bit, 32 oder 64 unabhängige Analogausgänge

Main Product Features

- **32 or 64 indepent analog output channels**
- **16-bit resolution**
- **±10 V full-scale output**
- **Low drift**
- **Single gain and offset adjustments**
- **2-pole, Bessel output filter on each channel**
- **Power-on reset to zero volts**

The CP266 is a single-width, 6U, CompactPCI module with 32 or 64, 16-bit analog output channels. These independent analog channels provide ±10 V full-scale outputs. The channel update rate is 2ms, and each output is accurate to ±1mV. The power-up state of the analog outputs can be set to independent user-defined values. Paired output signals are provided to eliminate ground offset effects. The analog outputs are available at a single 68-pin SCSI II shielded connector (32-channel option) or a pair of 68-pin SCSI II shielded connectors (64-channel option).

BASIC CIRCUIT OPERATION
Data values for each channel are written to a 16-bit wide, dual-port memory. This memory is sequentially scanned, and the values are applied to a single 16-bit digital-to-analog converter. The DAC output is then multiplexed to separate high precision sample-and-hold circuits (one for each channel), and the outputs of these circuits pass through active, 2-pole, low-pass Bessel filters before being brought to the front panel connector(s). Bessel filters are provided because of their optimum step response. The nominal cutoff frequency of each filter is set at 500Hz. Since the voltage outputs of all circuits are accurate to within 1mV of each other, only one offset and one gain
potentiometer are needed to adjust the DAC. Data can be written to or read from the CP266 in either offset binary or two's complement format. During power-on, the module initiates a sequence to restore the memory contents to user-defined values or to the zero default.

Applications

- Automotive test cells
- Industrial monitoring and control
- Automatic Test Equipment (ATE)

Manufacturer page

http://www.kscorp.com/

Data Sheet Download

16 Bit PXI I/O Board with 32 or 64 Analog Output Channels (202.2 KiB)

Opening the Download-Files May require the Adobe-Acrobat-Reader.
Click here to download the Adobe-Acrobat-Reader.

If you have questions please don't hesitate to contact us any time.

Phone +49 (89) 3133007, **Fax** +49 (89) 3146706, wuntronic@wuntronic.de or send us our Contact form

Wuntronic GmbH, Heppstrasse 30, D-80995 Munich, Germany