16 Bit PXI I/O Karte mit 32 oder 64 Analogausgänge

Artikelnummer: CP266-ZAx1 Series/Model: CP266

 Bitte klicken zum Vergrößern

16 Bit PXI oder cPCI Karte mit 32 oder 64 unabhängigen Analogausgängen

Hauptproduktmerkmale

- **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.

Anwendungsbeispiele

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

Herstellerseite

http://www.kscorp.com/

Datenblatt Download

16 Bit PXI I/O Board with 32 or 64 Analog Output Channels (202,2 KiB)

Für das Betrachten der Download-Dateien benötigen Sie i. R. den Adobe-Acrobat-Reader.
Sie können diesen hier herunterladen.

Für offene Fragen stehen wir jederzeit gerne zur Verfügung.

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