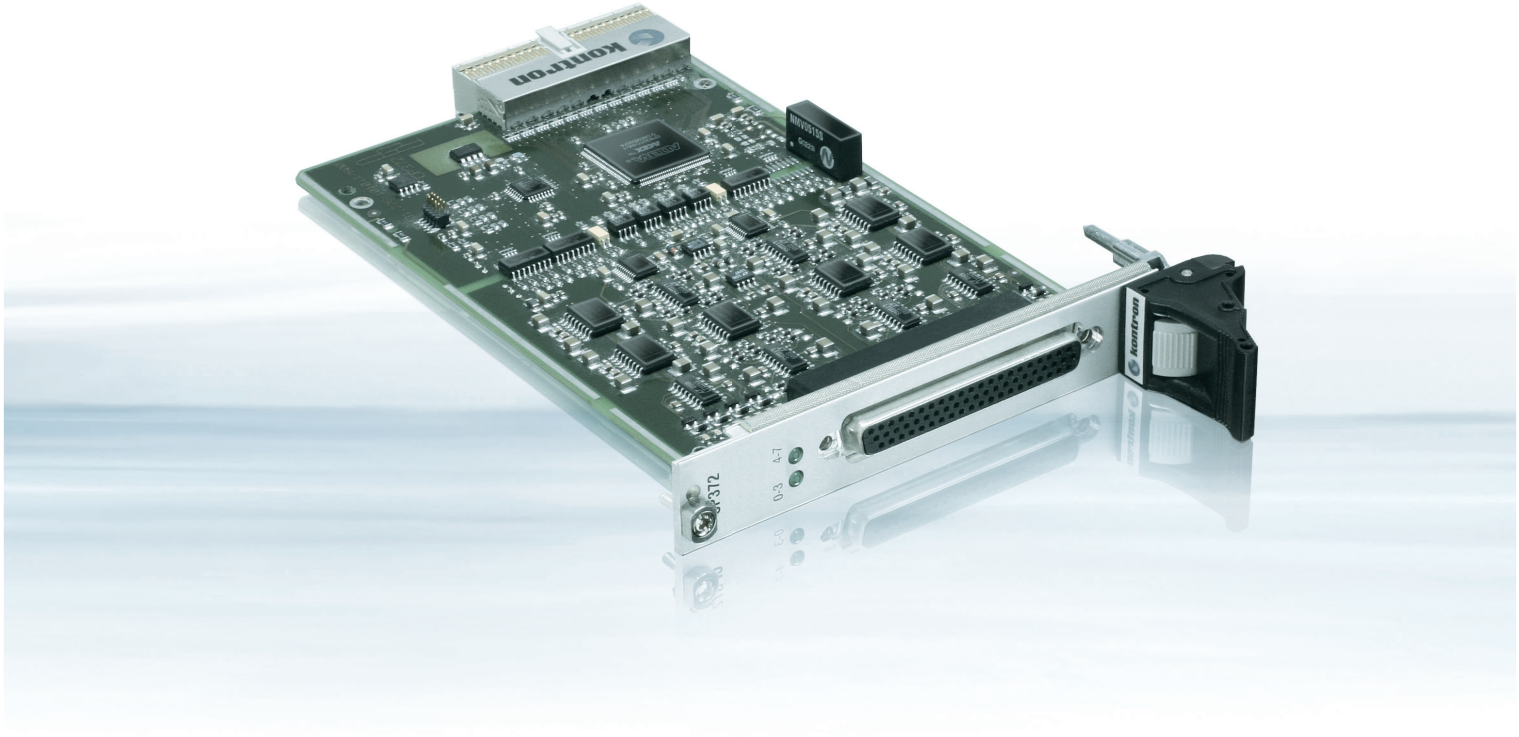
CP372



3U ANALOG-OUT BOARD

- act flexible
- be precise
- stay steadfast

POSSIBILITIES START HERE kontron

Applications demanding analog output nodes, require a reasonable, cost effective solution one can rely on. Even harshest of environments aren't an issue. Having this in mind the perfect solution is Kontron's CP372 analog out.

Act Flexible

Selecting between two options of channel numbers, as well as four different voltage ranges, and this comfortably via software, consequently create a very flexible solution.

Be Precise

Many applications in the industrial automation area have to work under the toughest conditions (-40° C up to +85° C), and require nevertheless preciseness. A resolution of 12 bit, combined with a basic accuracy of +/- 1 LSB fulfills this task.

Stay Steadfast

An absolute reliable product is indispensable nowadays. Therfore the CP372 features an efficient output protection. The isolation to the system additionally secures the board as well as an exact power on reset (0V). No matter which operating system is used (Windows® 2000/XP, Windows® XP embedded, VxWorks® or Linux®), the CP372 grants satisfaction.

TECHNICAL INFORMATION

COMPACTPCI® INTERFACE		Interface with FPGA, PICMG 2.0 Rev. 3.0 compliant, 32 Bit address/data/33 MHz, 1 BAR, 64 KB memory space, non-prefetchable, Universal signaling voltage (3.3 V), Serial EEPROM interface, PCI transfer rate up to 132 MB/sec.
ANALOG OUTPUTS	NUMBER OF CHANNELS RESOLUTION BASIC ACCURACY (INL) OUTPUT VOLTAGE RANGE OUTPUT CURRENT RANGE OUTPUT CURRENT FOR ANALOG VOLTAGES RANGE SWITCHING OUTPUT PROTECTION ISOLATION	8 (optionally 4) 12 Bit +/- 1 LSB 0 - 5V, 0 - 10V, +/-5V, +/- 10V 0 - 20 mA Max. 5mA/channel Per channel via software EMI, ESD, Short circuit, Overvoltage per channel 2kV to system
SOFTWARE SUPPORT		Windows® XP, Windows® 2000, Windows® XP embedded, VxWorks®, Linux®
COMMON	FRONT PANEL CONNECTOR FRONT PANEL LED'S DIMENSIONS TEMPERATURE RANGES CLIMATIC HUMIDITY WEIGHT MTBF	D-Sub 62-pin 2x green LED's for cluster operation status 100 x 160 mm (3U card size) 0°C to + 70°C (standard) -40°C to +85°C (extended) Non-condensing 93% at 40° C acc. to IEC 60068-2-78 155 g 209.200 h (acc. MIL-HDBK-217F)

ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
CP372	25264	8 channels analog out
CP372	25267	4 channels analog out
CP372-E2	25265	8 channels analog out, extended temperature range E2: -40° C to +85° C
CP-ADAP-IO1	25736	Cable and box for CPCI I/O products, 62 pin DSUB on 62 single channels
KIT-CP372 [1)]	25521	Windows® 2000, Windows® XP Board Support Package, CP372 User´s Manual
VXW-DRV-CP372	25266	VxWorks® 6.x driver for CP372, CP372 User´s Manual
LIN-DRV-CP372 [1)]	26504	Linux® driver CP372, CP372 User´s Manual
WXPE-BSP-CP372 [1)]	1022-9854	Windows® XP embedded Board Support Package, CP372 User´s Manual

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