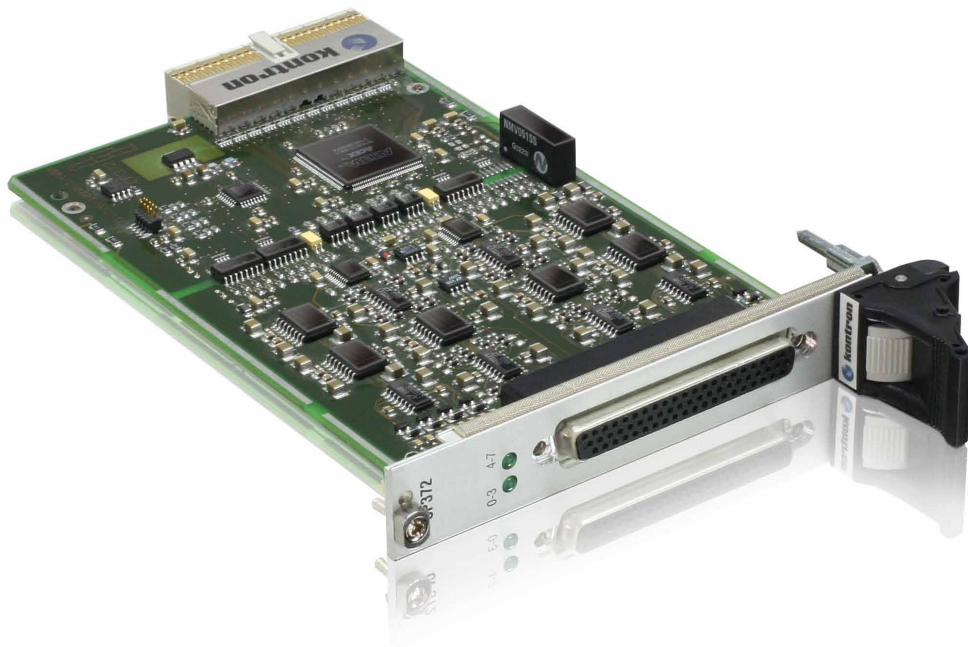


» CP372 «



3U Analog-Out Board

» **Act Flexible**

Relieve your work load by switching your ranges comfortably through the software.

» **Be Precise**

Trust in your results by designing your application under the use of a module with an excellent basic accuracy.

» **Stay Steadfast**

Secure your applicatin by taking advantage of an efficient output protection.

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. Therefore 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

Compact PCI 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	8 (optionally 4)
Resolution	12 Bit
Basic Accuracy (INL)	+/- 1 LSB
Output Voltage Range	0..5V, 0..10V, +/-5V, +/- 10V
Output Current Range	0..20 mA
Output Current for Analog Voltages	max. 5mA/channel
Range Switching	per channel via software

Output Protection	EMI ESD Short circuit Overvoltage per channel
Isolation	2kV to system

Software Support

Windows® XP, Windows® 2000, Windows® XP embedded, VxWorks®, Linux®

Common

Front Panel Connector	D-Sub 62-pin
Front Panel LED's	2x green LED's for cluster operation status
Dimensions	100 mm x 160 mm (3U card size)
Temperature Ranges	0° C to + 70° C (standard) -40° C to +85° C (extended)
Climatic Humidity	non-condensing 93% at 40° C acc. to IEC 60068-2-78
Weight	155 g
MTBF	209.200 h (acc. MIL-HDBK-217F)

Ordering Information

Article	Order-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-I01	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

¹⁾ Free of charge downloadable from the Internet

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