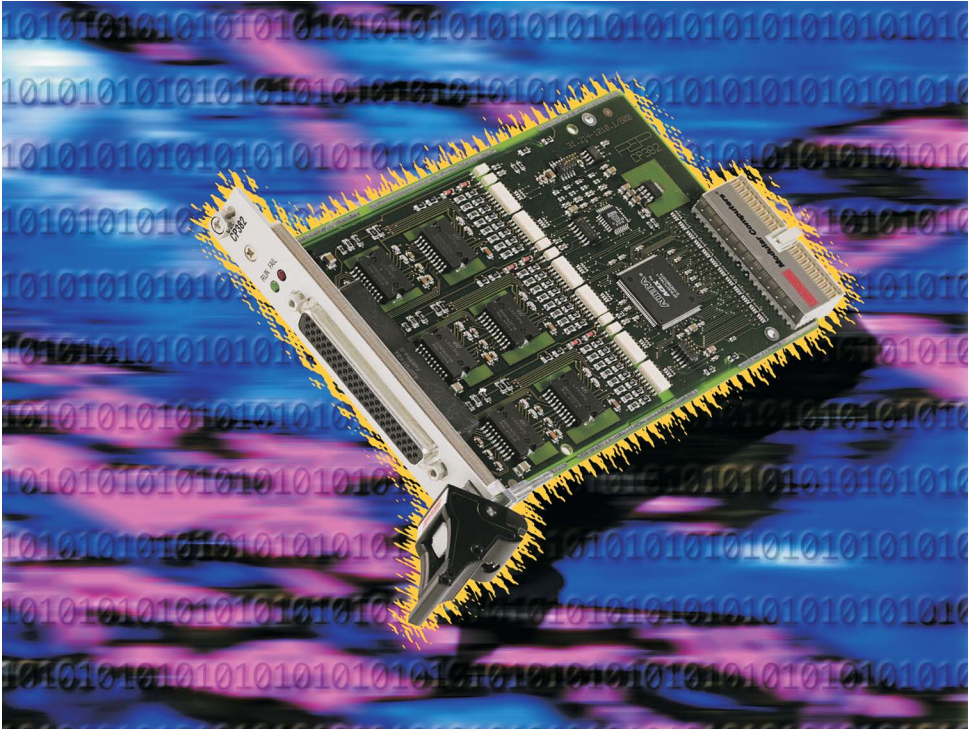


➤ **CP382**

3U Digital-Out Board



CompactPCI

➤ **Act Reasonable**

Relieve your work load by taking advantage of a comfortable reset.

➤ **Stay Safe**

Secure your application by benefiting of effective protection features.

➤ **Live Efficiently**

Achieve effectiveness by designing your application under the use of a module with a great output current.

Product Overview

Applications demanding digital 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 CP382 digital out.

Act Reasonable

A high nominal potential, as well as a great output current, and a big supply voltage range, consequently create a very effective solution.

Stay Safe

Many applications in the industrial automation area have to work under the toughest conditions (-40°C up to +85°C), and require nevertheless reliability. Sensible protection attributes fulfill this task.

Live Efficiently

An incomplex product is indispensable nowadays. Therefore the CP382 features an API, relieving connection to establish visualization tools, such as Lab View, Agilent VEE etc. Simple connectivity is provided by offering accessories like a cable, or an adapterbox. The isolation to the system secures the board. No matter which operating system is used (Windows2000/XP®, VxWorks, or Linux), the CP382 grants satisfaction.

Compact PCI Interface

PCI Target Interface with FPGA, PICMG 2.0 Rev. 2.1 compliant, Support of CompactPCIbus on connector P1, 32 Bit address/data/33 MHz, 1 BAR, 64 KB memory space, non-prefetchable, Universal signaling voltage (3.3V), Serial EEPROM interface, PCI transfer rate up to 132 MB/sec.

Digital Inputs

Number of Channels:	24
High Nominal Potential:	24 V
Output Current max.:	500 mA per channel
Channel Connection:	2 pins per channel
Rdson Reistance:	1,8 Ω (on-state resistance)
Max. Output Frequency:	2,5 kHz
Supply:	9,5 V..35 V
Isolation:	2 kV to system
Utility Signals:	Reset (low active) Diagnose (low active)
Protection:	Overtemperature (thermal shutdown @ 150°C) Undervoltage (upper threshold: 9,5 V) Overcurrent (max. 1,2 A)

Software Support

Windows®XP, Windows®2000, Windows®NT, VxWorks®, Linux®

Common

Front Panel Connector.:	Dsub 62-pin
Front Panel LED's:	RUN and FAIL
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:	537.400 h

Ordering Information

Product	Description	Order No.
CP382	24 channels digital out	23892
CP382-E2	24 channels digital out, extended temperature range E2: -40° C to +85° C	23893
CP-ADAP-IO	Cable and box for CPCI I/O products, 62 pin DSUB on 62 single channels	25736
KIT-CP382	Documentation and Windows® driver kit on CD-R ¹	23896
VXW-DRV-CP382	VxWorks driver CP382 for Tornado V. 2.2	23897
LIN-DRV-CP382	Linux driver CP382	26506
	1) KIT-CP382 free of charge downloadable from the Internet	

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