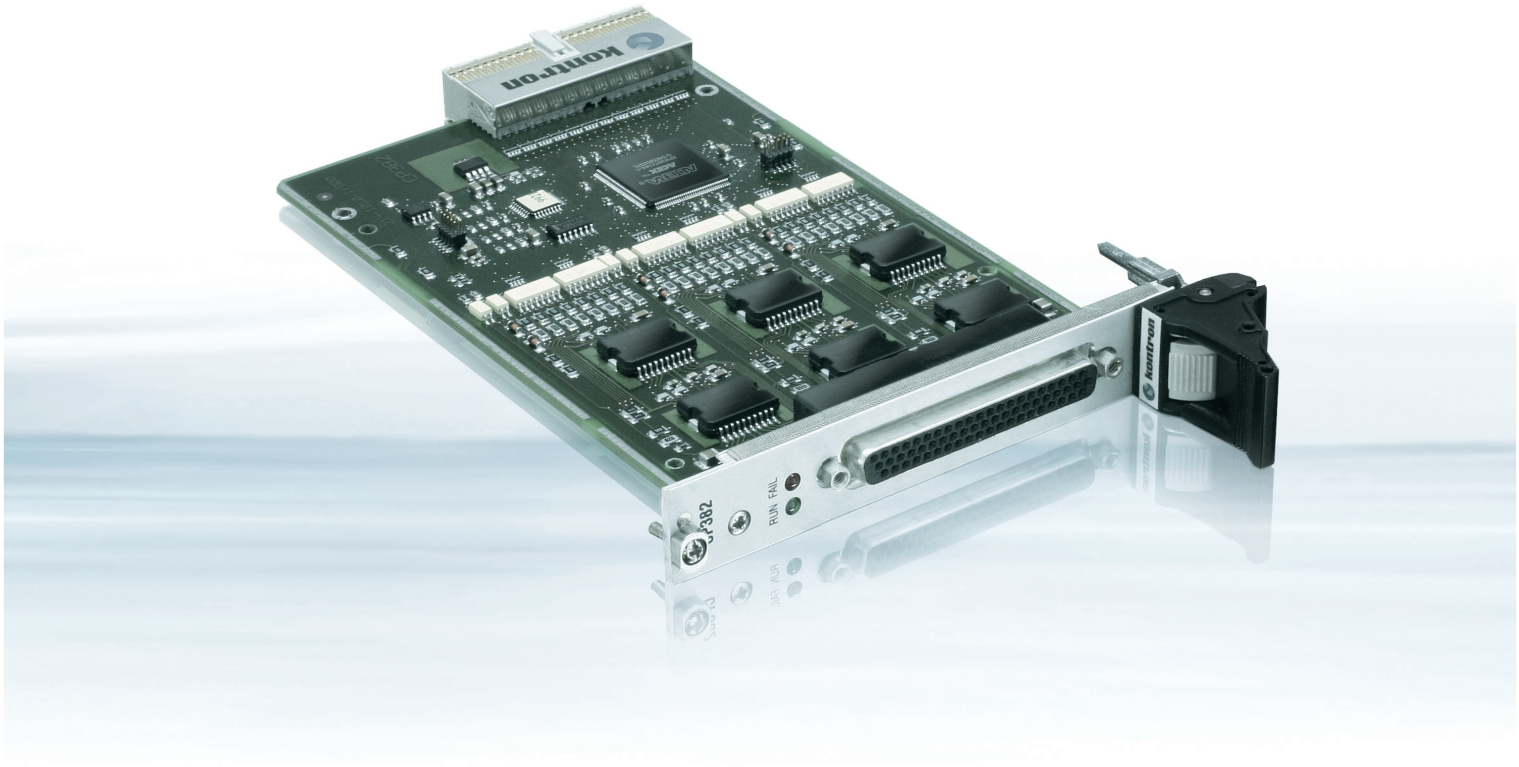
CP382



3U DIGITAL-OUT BOARD

- act reasonable
- stay safe
- live efficiently

POSSIBILITIES START HERE kontron

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 Efficienty

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 (Windows®2000/XP®, VxWorks®, or Linux®), the CP382 grants satisfaction.

TECHNICAL INFORMATION

COMPACTPCI® 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 signalling voltage (3.3V), Serial EEPROM interface, PCI transfer rate up to 132 MB/sec.
DIGITAL OUTPUTS	NUMBER OF CHANNELS HIGH NOMINAL POTENTIAL OUTPUT CURRENT MAX. CHANNEL CONNECTION SWITCH ON RESISTANCE MAX. OUTPUT FREQUENCY SUPPLY ISOLATION UTILITY SIGNALS PROTECTION SOFTWARE SUPPORT	24 24 V 500 mA per channel 2 pins per channel 1.8 Ω (on-state resistance) 2.5 kHz 9.5V to 35V 2 kV to system Reset (low active); Diagnose (low active) Overtemperature: (thermal shutdown @ 150°C); Undervoltage: (upper threshold: 9.5 V); Overcurrent: (max. 1.2 A) Windows®XP, Windows®2000, Windows® XP embedded, VxWorks®, Linux®
COMMON	FRONT PANEL CONNECTOR. FRONT PANEL LED'S: DIMENSIONS TEMPERATURE RANGE CLIMATIC HUMIDITY WEIGHT MTBF	Dsub 62-pin RUN and FAIL 100 mm 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 537,400 h

ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
CP382	23892	24 channels digital out
CP382-E2	23893	24 channels digital 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-CP382 [1)]	23896	Documentation and Windows® driver kit on CD-R 1
VXW-DRV-CP382	23897	VxWorks® Driver CP382 for Tornado V. 2.2
LIN-DRV-CP382	26506	Linux® driver CP382

1) KIT-CP382 free of charge downloadable from the Internet

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