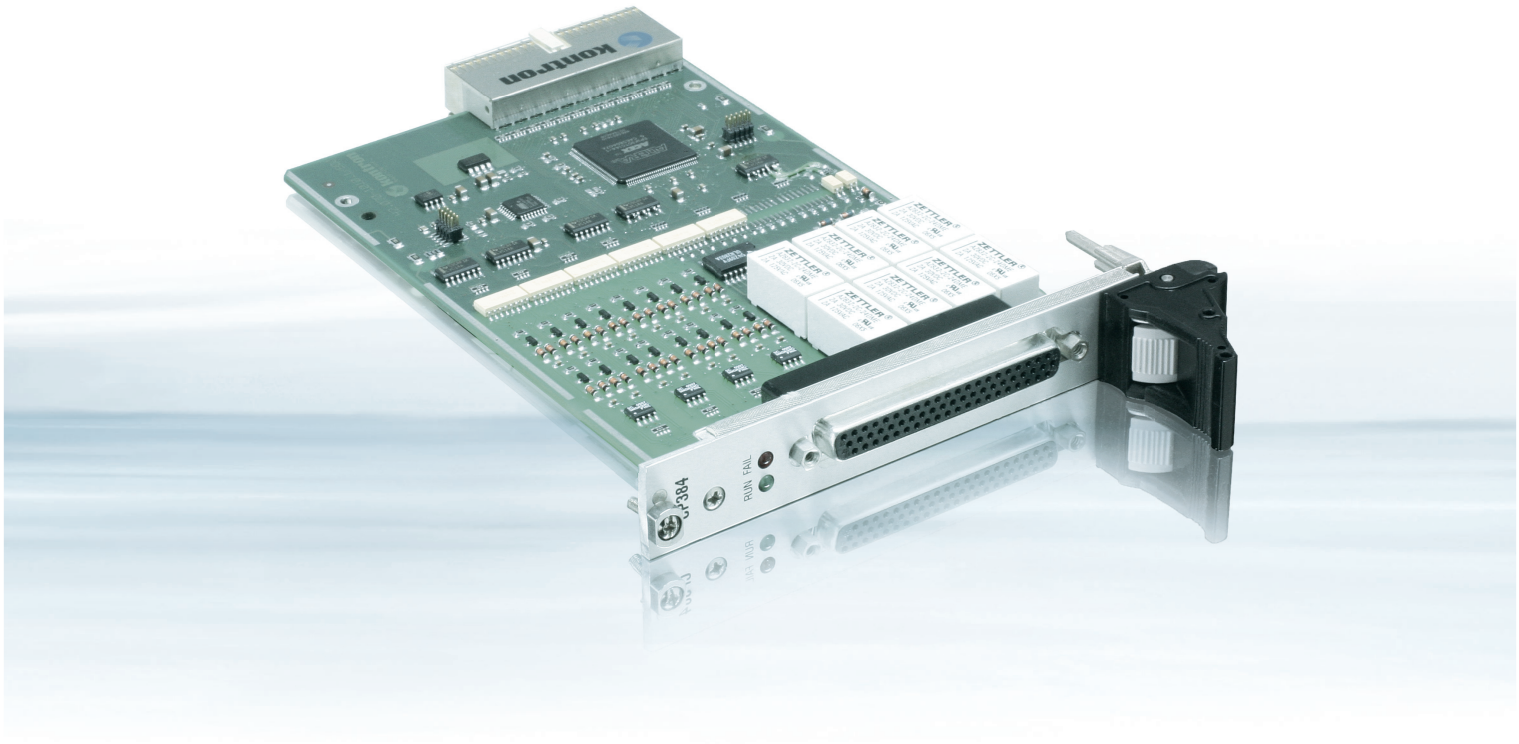
CP384



3U DIGITAL-IN/RELAY OUT BOARD

- act efficiently
- stay safe
- live comfortably

POSSIBILITIES START HERE kontron

Applications demanding both digital input nodes and relay output nodes require not only a cost-effective solution, but also ease of implementation. Still offering all necessary features, the CP384 completely fulfills these tasks.

Act Efficiently

Providing the possibility of 16 channels digital in and 8 relay channels, in combination with the ability to work under the toughest conditions (-40°C up to +85°C), the CP384 is the right choice for a wide range of application fields.

Stay Safe

Reliability is indispensable in an application. The CP384 secures the system with quite a few protection features, such as inverse polarity protection on the digital input side. The isolation to the system rounds the security features off.

Live Comfortably

Easy generation of a CompactPCI® I/O application is also very much in demand nowadays. Therefore all I/O nodes are controlled by a unified software API. One node known - all nodes known. Simple connectivity is provided by offering accessories such as a cable, or an adapterbox.

TECHNICAL INFORMATION

COMPACT PCI® INTERFACE		PCI Target 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
DIGITAL INPUTS	NUMBER OF CHANNELS INPUT VOLTAGE RANGE INPUT CURRENT INPUT PROTECTION (ESD) INPUT IMPEDANCE INPUT FILTER DEBOUNCING MISCELLANEOUS	16 Low: -3V .. +5V / High: +11V .. +30V max. 5mA 8 kV min.: 1,5 KΩ / max.: 6 KΩ @ 30V 10 kHz (edge frequenzy) Programmable Inverse Polarity Protection, Event Detection, Input Capture and Compare
DIGITAL OUTPUTS	NUMBER OF CHANNELS OUTPUT CURRENT MAX. CONTACT RESISTANCE SWITCH DELAY SUPPLY UTILITY SIGNALS	8 Relay contact / max. 2A per channel < 50 mΩ ON/OFF: 3 ms / 2ms max. 30 VDC Reset (low active), Diagnose (low active)
SOFTWARE SUPPORT		Windows® 2000, Windows® XP, Windows® XP embedded, VxWorks®, Linux®
COMMON	ISOLATION DIMENSIONS TEMPERATURE RANGE CLIMATIC HUMIDITY WEIGHT MTBF	2kV to system 100 mm x 160 mm (3U card size) 0°C to +60°C (standard) / -40°C to +85°C (extended) / -40°C to +115°C (storage) non-condensing 93% at 40°C acc. to IEC 60068-2-78 210 g MTBF 279173 h acc. to MIL-HDBK-217 FN2, Ground Benign, controlled at 30°C

ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
CP384	29203	16 channels digital in, 8 channels relay out
CP-ADAP-IO	25736	Cable and box for CPCI I/O products, 62 pin DSUB on 62 single channels
KIT-CP384 [1]	33504	Windows®2000 and Windows®XP Board Support Package, CP384 User's Manual
VXW-DRV-CP384	36124	VxWorks®6.x Driver, CP384 User's Manual
LIN-DRV-CP384 [1]	35239	Linux® Driver, CP384 User's Manual

1) Free of charge downloadable from the Internet

CORPORATE OFFICES

EUROPE, MIDDLE EAST & AFRICA

Lise-Meitner-Str. 3-5
86156 Augsburg
Germany
Tel.: + 49 821 4086 0
Fax: + 49 821 4086 111
info@kontron.com

NORTH AMERICA

14118 Stowe Drive
Poway, CA 92064-7147
USA
Tel.: + 1 888 294 4558
Fax: + 1 858 677 0898
info@us.kontron.com

ASIA PACIFIC

1~2F, 10 Building, No. 8 Liangshuihe 2nd Street,
Economical & Technological Development Zone,
Beijing, 100176, P.R.China
Tel.: +86 10 63751188
Fax: +86 10 83682438
info@kontron.cn

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