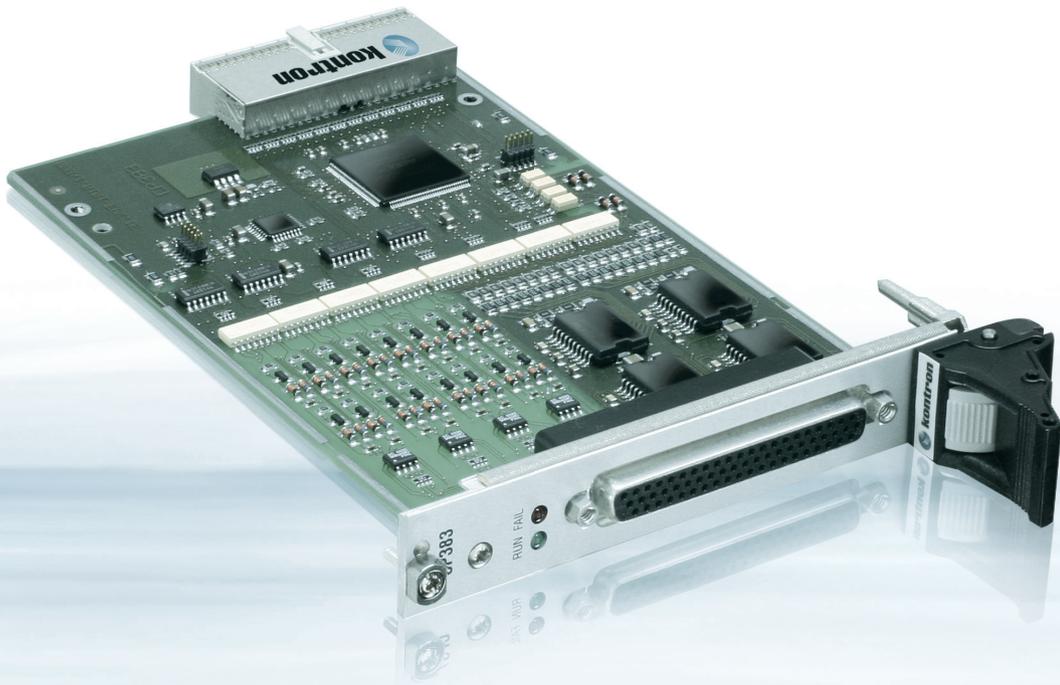


CP383



3U DIGITAL-IN/OUT BOARD

- ▶ act efficiently
- ▶ stay safe
- ▶ live comfortably

POSSIBILITIES START HERE



Applications demanding both digital input nodes and digital output nodes require not only a cost-effective solution, but also ease of implementation. Still offering all necessary features, the CP383 completely fulfills these tasks.

Act Efficiently

Providing the possibility of 16 channels digital in and 16 channels digital out, in combination with the ability to work under the toughest conditions (-40°C up to +85°C), the CP383 is the right choice for a wide range of application fields.

Stay Safe

Reliability is indispensable in an application. The CP383 secures the system with quite a few protection features, such as overtemperature, undervoltage and overcurrent on the digital output side and 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 API. One node known - all nodes known. Simple connectivity is provided by offering accessories such as a cable, or an adapterbox.

TECHNICAL INFORMATION

COMPACTPCI® INTERFACE		PCI target interface with FPGA, PICMG 2.0 Rev. 3.0, 32 Bit/ 33 MHz, 1 BAR, 64 KB memory space, non-prefetchable, universal signalling voltage (3.3V), 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 frequency) Programmable Inverse Polarity Protection, Event Detection, Input Capture and Compare
DIGITAL OUTPUTS	NUMBER OF CHANNELS OUTPUT CURRENT MAX. EXTERNAL VOLTAGE UTILITY SIGNALS PROTECTION	16 Max. 500 mA per channel 9.5V to 35V Reset (low active), Diagnose (low active) Overtemperature (thermal shutdown @ 150°C); Undervoltage (below 8.5 V); Overcurrent (max. 1.2 A)
SOFTWARE SUPPORT		Windows®XP, Windows®2000, Windows®XP Embedded, VxWorks®, Linux®
COMMON	ISOLATION DIMENSIONS TEMPERATURE RANGES CLIMATIC HUMIDITY WEIGHT MTBF	2kV to system 100 x 160 mm (3U card size) 0°C to + 60°C (standard); -40°C to +85°C (extended); -55°C to +100°C (storage) Non-condensing 93% at 40°C acc. to IEC 60068-2-78 170 g 424,549 h acc. to MIL-HDBK-217 FN2

ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
CP383	27432	16 channels digital in, 16 channels digital out
CP383-E2	27433	16 channels digital in, 16 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-CP383 ¹⁾	27730	Windows®2000 and Windows®XP Board Support Package, CP383 User's Manual
LIN-DRV-CP383 ¹⁾	27732	Linux® Driver, CP383 User's Manual
WXPE-BSP-CP383 ¹⁾	1022-5154	Windows®XP embedded Board Support Package, CP383 User's Manual
VXW-DRV-CP383-V6.7	27731	VxWorks®6.7 Driver, CP383 User's Manual
VXW-DRV-CP383-V6.8	1045-3430	VxWorks®6.8 Driver, CP383 User's Manual

¹⁾ Free of charge downloadable from the Internet

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