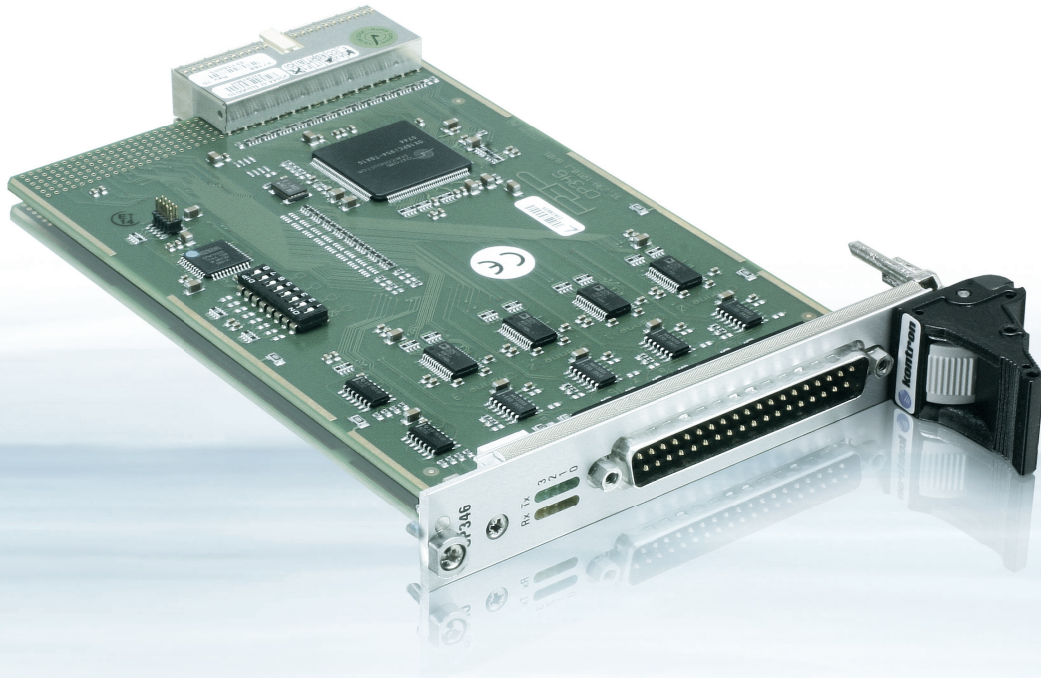# CP347

▼

3U QUAD UART 16550 SERIAL CONTROLLER

▶ act fast: plug and play, fully UART 16550 compatible
▶ improve communication: RS232, RS422 or RS485, galvanically isolated
▶ live effectively: four very cost effective serial channels

POSSIBILITIES START HERE **kontron**

Serial channels in an application are required very often to transfer data, get a COM port, control industrial devices such as test and measurement units or function generators or even to connect a modem or a mouse to the system. The CP347 provides the latest technology to achieve these classic tasks, but still remains very cost effective.

Act Fast

Being fully UART 16550 compatible, a stable and reasonable solution is realized. As this is a widely used technology, most operating systems such as Windows®, Linux®, or VxWorks® have drivers available.

Improve Communication

Serial data communication usually means a combination of tasks and devices employed in a system. Therefore all modes, i.e. RS232, RS422 and RS485 in full duplex and half duplex are needed. The CP347 offers four independent channels. Each channel is individually configurable for all modes via mini dip switches. To work in the widest range of markets, the CP347 is galvanic isolated.

Live Effectively

Whenever serial communication is required in an application, the CP347 ensures a very cost effective solution.

▶ TECHNICAL INFORMATION (preliminary)

CHARACTERISTICS	CONTROLLER FUNCTIONS SIGNALS	High Performance Quad UART XR17D154 4 independent serial channels: RS232, RS422, RS485 individually configurable RS232: TxD, RxD, RTS, CTS, DTR, DSR, CD, RI, GND; RS422/485 full duplex: TxD (A,B), RXD (A,B), GND; RS422/485 half duplex: TRXD (A,B), GND
	SERIAL I/O DATA INTERFACE SWITCH INPUTS	16550 compatible UART's; up to 64 Byte transmit and receive FIFO's Per channel configurable: Serial Mode (RS232 or RS422/485); Full or Half Duplex in RS422/485 mode
	SERIAL BAUD RATES ISOLATION FRONTPANEL	RS232: up to 115kbps; S422/485: up to 115kbps 2 kV between I/O and system 37Pin DSUB connector; Adapter cable 37Pin DSUB to 4x9Pin DSUB available
COMPACTPCI INTERFACE		32-bit/33 MHz, CompactPCI Core Specification PICMG 2.0 Rev 3.0 compatible; Interrupt level INTA support, full Plug&Play compatibility on J2 PICMG 2.0
COMMON	CPCI BUS DIMENSIONS TEMPERATURE RANGES CLIMATIC HUMIDITY WEIGHT MTBF	VI/O: universal (3.3V/5V) 100 x 160 mm (3U card size) 0°C to +70°C (standard); -40° C to +85°C (extended); -55°C to +125°C (storage) Non-condensing 93% at 40°C (acc. to IEC 60068-2-78) 170g tbd.
SOFTWARE SUPPORT		Windows® 8.1, Windows ES 7, Windows® 7, Linux®, VxWorks®

▶ ORDERING INFORMATION

ARTICLE	DESCRIPTION
CP347-OPT	Quad UART 16550 serial CompactPCI Controller for RS232, RS422, RS485, galvanically isolated
CP347-OPT-E2	Quad UART 16550 serial CompactPCI Controller for RS232, RS422, RS485, galvanically isolated, E2
CP-ADAP-CP347	Adapter Serial Port, DSUB37 to 4x DSUB9 for CP347
VXW-DRV-CP347-V6.9	VxWorks 6.9 Driver Package, CP347 User's Manual
VXW-DRV-CP347-V6.8	VxWorks 6.8 Driver Package, CP347 User's Manual

User's Guide and driver packages for Linux and Windows® via web download

▶ 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

www.kontron.com