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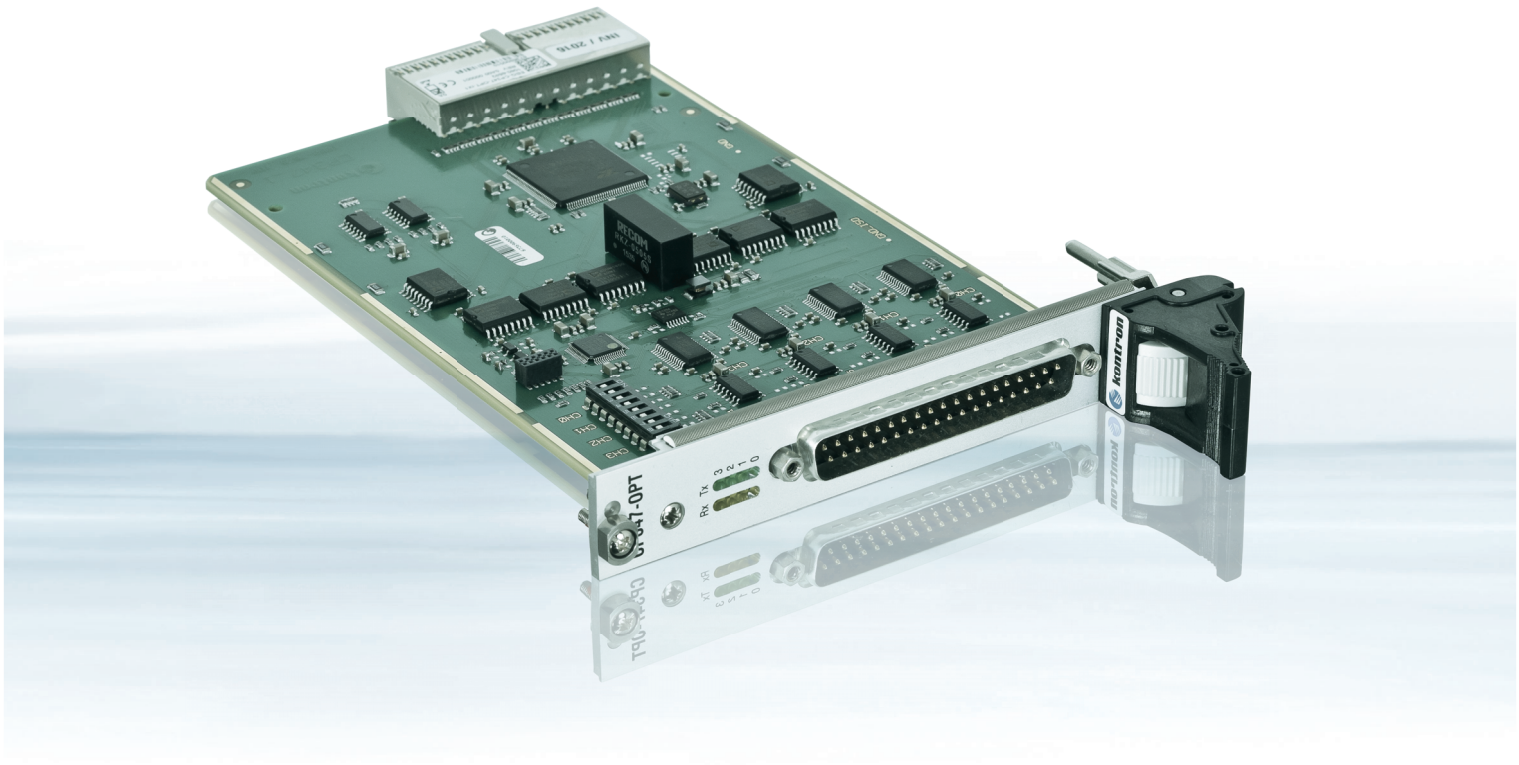
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Find the *Kontron CP347* at our website: ***Click HERE***

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 S&T Group

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

CHARACTERISTICS	CONTROLLER	High Performance Quad UART XR17D154
	FUNCTIONS	4 independent serial channels: RS232, RS422, RS485 individually configurable
	SIGNALS	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	16550 compatible UART's; up to 64 Byte transmit and receive FIFO's
	SWITCH INPUTS	Per channel configurable: Serial Mode (RS232 or RS422/485); Full or Half Duplex in RS422/485 mode
	SERIAL BAUD RATES	RS232: up to 115kbps; S422/485: up to 115kbps
	ISOLATION	2 kV between I/O and system
	FRONTPANEL	37Pin DSUB connector; Adapter cable 37Pin DSUB to 4x 9Pin DSUB available
COMPACTPCI INTERFACE		32-bit/33 MHz, CompactPCI Core Specification PICMG 2.0 Rev 3.0 compatible; Interrupt level INTA support VI/O: universal (3.3 V / 5 V)
SOFTWARE SUPPORT		Windows® 10, Windows® 8.1, Windows® ES 7, Windows® 7, Windows Server 2008-R2, Linux®, VxWorks®
COMMON	DIMENSIONS	100 x 160 mm (3U card size)
	OPERATING TEMPERATURE	0 °C to +70 °C (standard); -40 ° C to +85 °C (extended)
	STORAGE TEMPERATURE	55 °C to +125 °C
	POWER CONSUMPTION	2 Watt (typical)
	CLIMATIC HUMIDITY	Non-condensing 93 % at 40 °C (acc. to IEC 60068-2-78)
	WEIGHT	170 g
	MTBF	848,995 h acc. MIL-HDBK-217

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
VXWORKS 6.9 DRIVER PACKAGE	via Web download
VXWORKS 7 DRIVER PACKAGE	via Web download

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