



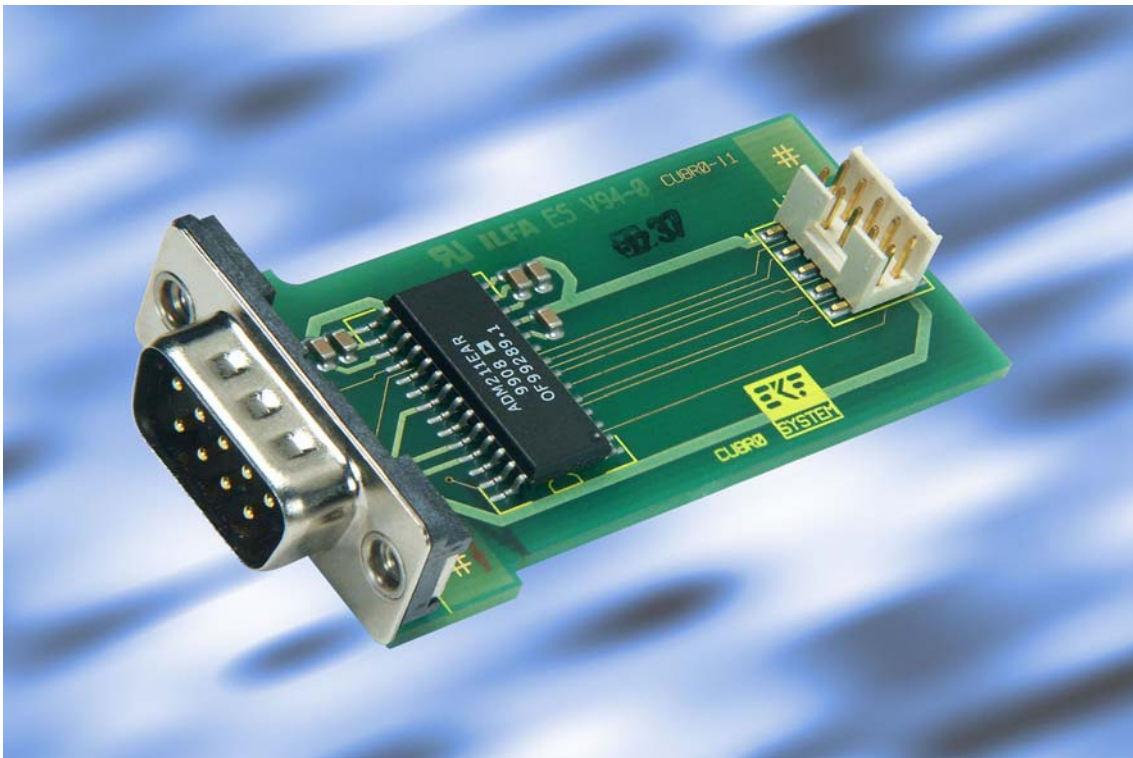
Product Information

Rear-I/O Module • CU8-RS232

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*The CU8-RS232 is a rear-I/O PHY module for **CompactPCI**[®] systems, to be used e.g. in combination with the serial interface card CU4-SOPRANO. The CU8-RS232 is provided with an EIA-232E data transceiver for EMI sensitive applications.*

The 9-position male D-Sub connector is wired as a PC COM port. Data transfer rates up to 230kbps are allowed. The module has been designed for operation in harsh electrical environments - EMI immunity includes ESD protection in excess of 15kV.



Technical Feature Summary CU8-RS232

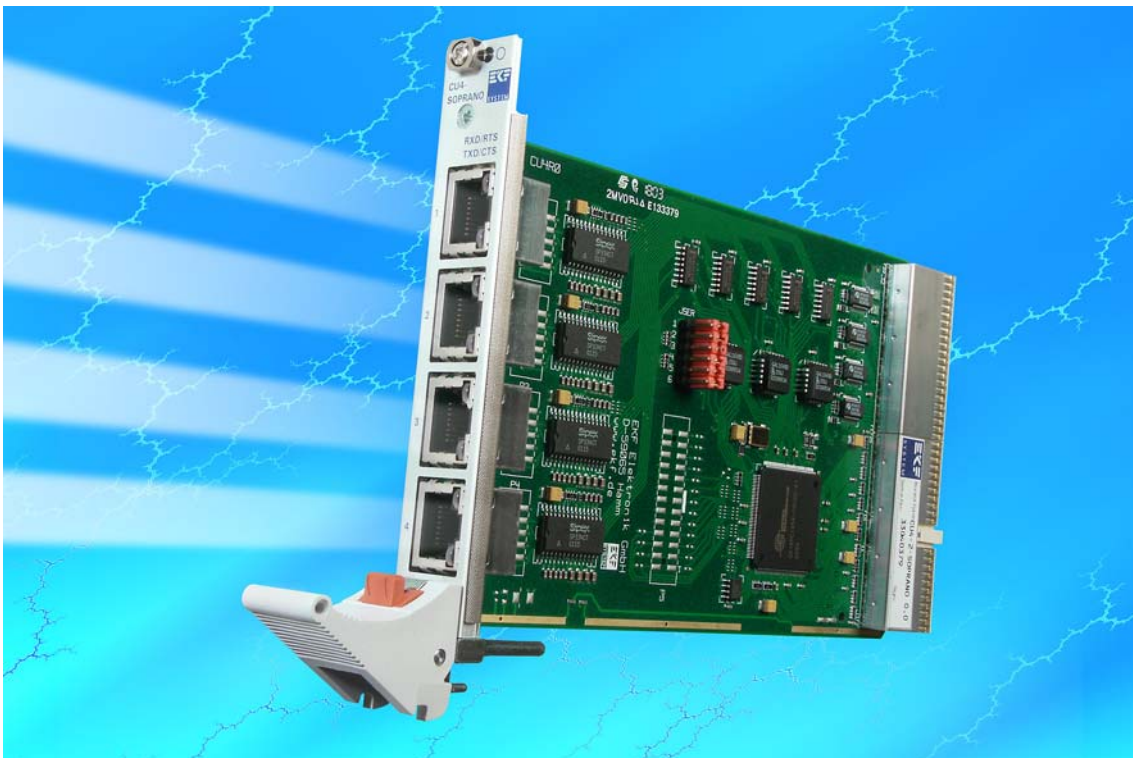
Form Factor	Rear-I/O Module (60x31mm ²)
Function	PHY Transceiver RS-232E (EIA-232E, CCITT V.28)
Chip	ADM211E
RS-232 Connector	PC compatible, connector D-Sub 9-pos. male
Data Transfer Rate	230kbps
ESD/EMI Protection	±15kV (Human Body Model MIL-STD-883B) ±8kV (Contact Discharge IEC1000-4-2) ±15kV (Air-Gap Discharge IEC1000-4-2) ±2kV Fast Transient Burst Immunity (EFT IEC1000-4-4) 10V/m EMI Immunity (IEC1000-4-3)
Short Circuit Protection	Current limited to ±20mA typ. per signal channel
Internal Connector	2mm male metric connector 10-pos., suitable for flat ribbon cable harness to the CU9-BASE
Power Requirements	+5V 0.1A max.
Temperature Humidity	Operating temperature -40..+85°C Relative humidity 5-90%, non-condensing

Technical specifications are subject to change without further notification



The CU8-RS232 module is intended for use especially with the serial interface board CU4-SOPRANO. This CompactPCI® card has its TTL level serial ports routed to the backplane connector J2, for rear I/O by additional PHY (physical layer) modules.

Mounted onto the CPCI backplane from behind, the additional distribution board CU9-BASE for up to 16 ports is equipped with metric 2mm pin headers, mating the flat ribbon cable assemblies to the particular PHY modules such as the CU8-RS232.

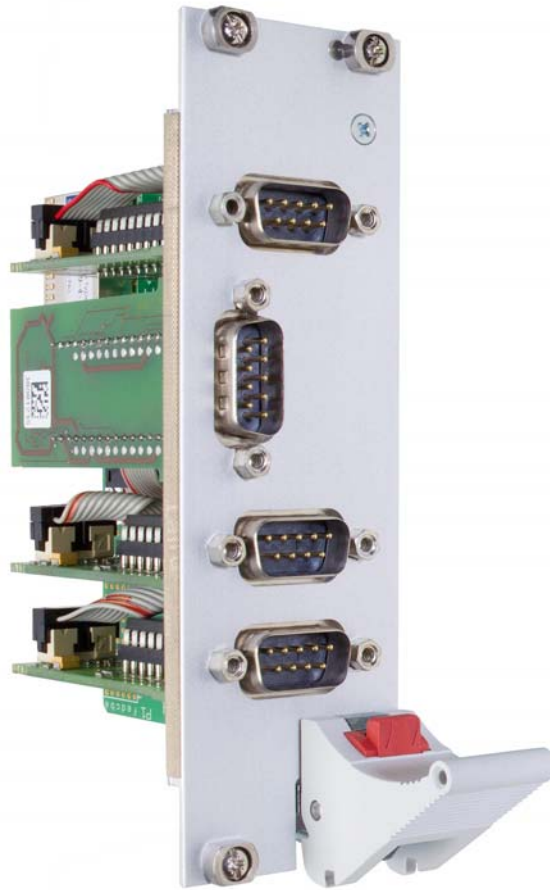


CU4-SOPRANO

www.ekf.com/c/ccom/ccom.html



CU9-4-BASE



CU9-4-BASE



CU9-BASE (Custom Specific)

DB1 D-SUB 9-Position Male Connector			
		1	DCD
DSR	6		
		2	RXD#
RTS	7		
		3	TXD#
CTS	8		
		4	DTR
RI	9		
		5	GND

H1 Metric Header 2x5 2.0mm			
+5V	1	2	DSR#
RI#	3	4	RxD
TxD	5	6	DTR#
RTS#	7	8	CTS#
DCD#	9	10	GND

External Documents

TIA-232-F	Standard • TIA-232-F Interface between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange • http://standardsdocuments.tiaonline.org/tia-232-f.htm
ADM211E	Datasheet • ± 15 kV Protected, RS-232 230kBPS Transceiver with 4 Drivers, 5 Receivers • www.analog.com

Ordering Information

Ordering No.	Short Description
CU8-1-RS232	RS-232E Rear I/O interface module, 1 port, 230kbps • www.ekf.com/c/ecom/cu8/cu8.html
CU4-2-SOPRANO	CompactPCI® quad serial interface, suitable for rear I/O across J2 • www.ekf.com/c/ecom/cu4/cu4_e.html
CU9-4-BASE	Transition board, interconnection between CU4-SOPRANO (J2) and rear I/O PHY interface modules, 4 ports, 3U/8HP back panel included • www.ekf.com/c/ecom/cu4/cu4_e.html

Please refer also to www.ekf.com/liste/liste_20.html#CU7



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