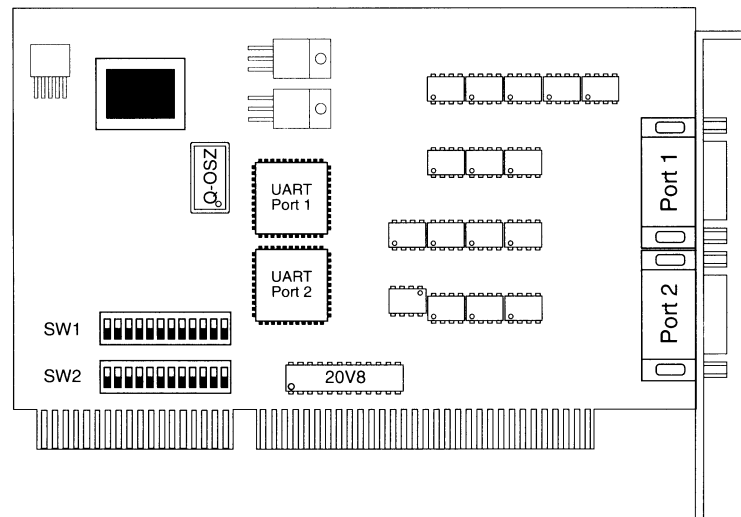# PC 485 ISA

RS 485 Inteface card

Extension card for 2 independent from one another, galvanically isolated RS 422/ RS 485 interfaces for personal computers. To connect directly HI-BUS-2 to programmer units and visualization stations.

Top view

Note:
The using of already existing software via this card is possible without any problems.

Baud rate	0 ... 10 MBaud
Data format	any
Connection	9-pole SUB-D-conector
Supply voltage	5 V DC stabilized
Current input (no load operation)	approx. 20 mA
Size	43 mm x 31 mm

HIMA-part no. 89 0000099

HIMA Paul Hildebrandt GmbH + Co KG, Postfach 1261, 68777 Brühl

Settings:
The basis address and the used interrupt lines can be set via the DIL switches SW1. and SW2.
Settings of the basis addresses (standard):

Port 1		SW 1.9	SW 1.10	SW 1.11
Disabled		X	X	OFF
COM1	03F8H	OFF	OFF	ON
COM2	02F8H	ON	OFF	ON
COM3	03E8H	OFF	ON	ON
COM4	02E8H	ON	ON	ON

SW 1.12
without function

Port 2		SW 2.9	SW 2.10	SW 2.11
Disabled		X	X	OFF
COM1	03F8H	OFF	OFF	ON
COM2	02F8H	ON	OFF	ON
COM3	03E8H	OFF	ON	ON
COM4	02E8H	ON	ON	ON

SW 2.12
without function

Settings of interrupt lines:
The PC ISA card serves the using of the standard interrupts IRQ3 and IRQ4 for the serial interfaces COM1 and COM2, and also the using of the interrupt lines IRQ5 and IRQ7 reserved for the parallel interfaces LTP1 and LTP2, if the system do not have parallel interfaces or the integral parallel interfaces do not operate in the interrupt mode.

IRQ	SW 1.1	SW 1.2	SW 1.3	SW 1.4	SW 1.5	SW 1.6	SW 1.7	SW 1.8
-	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
3	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
4	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
5	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
7	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
9	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
10	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
11	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
12	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF

Interrupt settings Port 1

IRQ	SW 2.1	SW 2.2	SW 2.3	SW 2.4	SW 2.5	SW 2.6	SW 2.7	SW 2.8
-	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
3	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF
4	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF
5	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF
7	OFF	OFF	OFF	OFF	OFF	OFF	ON	OFF
9	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
10	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF
11	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF
12	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF

Interrupt settings Port 2

Pin occupation of the interfaces

Pin	Signal	Meaning
2	+ 5 V DC	supply voltage
3	Data +	data-A, transmit/receive
8	Data -	data-B, transmit/receive
5	GND	data ground