

# Industrial communication Serial interfaces for the ISA bus



	Serial interface							CAN	
	1-port						4-port		
	PA 7301	PA 7302	PA 7303	PA 730	PA 731	PA 732	PA 7500	PA 7200	
Bus	ISA	ISA	ISA	ISA	ISA	ISA	ISA	ISA	
Soft. configuration							yes		
RS232	yes			yes	yes	yes	yes		
RS422 - Full duplex			yes	yes	yes	yes	yes	yes	
RS485 - Half duplex		yes		yes	yes	yes	yes	yes	
20 mA current loop active/passive				yes	yes	yes	yes	yes	
Structure with SI modules							yes		
Optical isolation		yes	yes		only 20 mA CL	yes	yes optional	yes	
Configurable as standard interface	yes	yes	yes	yes	yes	yes	yes	yes	
Interrupts	3, 4, 10, 11	3, 4, 10, 11	3, 4, 10, 11	3, 4	3-5, 10, 11, 15	3-5, 10, 11, 15	3-5, 7, 9, 10-12, 15	3-5, 10, 11, 15	
<b>Addressing</b>									
through jumper	yes	yes	yes	yes	yes	yes		yes	
through DIP switches					yes/Opt. S	yes/Opt. S	yes	yes/Opt. S	
through software									
COM	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2	1, 2, 3, 4 free config. Option S	1, 2, 3, 4 free config. Option S	free configurable	1, 2, 3, 4 free config. Option S	
<b>Functions</b>									
FIFO	yes	yes	yes	yes/Opt. U	yes/Opt. U	yes/Opt. U	yes	yes/Opt. U	
Transfer rate: 50 Baud to 112 kBaud	20 mA Current Loop, RS232 isolated < 19,2 kBaud • RS232, RS485, RS422 < 115200 Baud • < 1 MBaud on request, RS 485, RS 422								
Overvoltage protection		yes	yes		yes	yes	yes	yes	
ESD protection	yes				yes	yes	RS232		
<b>Parallel interface</b>									
LPT									
CAN interface								1	
Interrupt								3, 4, 5, 10, 11, 15	
Addressing								DIP switches	
<b>Remarks</b>	Low Cost	Low Cost	Low Cost	Low Cost	All modes available	opt. isolation on all modes	modular, common interrupt		
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<b>Software</b>	Drivers for Windows 2000/NT/98 + Samples Current driver list see on the web <a href="http://www.addi-data.com">www.addi-data.com</a>								

**Options:**

**Option G:** optical isolation

**Option S:** DIP switches

**Option U:** FIFO