



ISA BUS Isolated Data Acquisition Board Selection Guide

Model No.	ISO-AD32H/L	ISO-813	ISO-LDH/L	ISO-DA8	ISO-DA16	
Bus	AT	AT	AT	AT	AT	
Analog Input Channels	32 S.E. 16 DIF.	32 S.E.	1	-	-	
Strain Gauge Input	-	-	1	-	-	
Analog Input Resolution	12 bits	12 bits	12 bits	-	-	
Analog Input Range (V)	Bipolar Low gain	$\pm 10, \pm 5, \pm 2.5$ ± 1.25	$\pm 5, \pm 2.5, \pm 1.25,$ $\pm 0.625, \pm 0.3125$	-	-	
	Bipolar High Gain	$\pm 10, \pm 5, \pm 1$ $\pm 0.5, \pm 0.1,$ ± 0.05	-	-	-	
	Unipolar Low gain	0~10, 0~5, 0~2.5	0~10, 0~5, 0~2.5, 0~1.25, 0~0.625	0~10, 0~5, 0~2.5, 0~1.25	-	-
	Unipolar High gain	0~10, 0~1, 0~0.1	-	0~10, 0~1, 0~0.1, 0.01	-	-
Analog Output	Channels	-	-	8	16	
	Resolution	-	-	14 bits	14 bits	
	Range (V)	-	-	$\pm 10, \pm 5$ 0~5, 0~10	$\pm 10, \pm 5$ 0~5, 0~10	
	Range (mA)	-	-	0~20, 4~20	0~20, 4~20	
On-Board FIFO	1K bytes	-	1K bytes	-	-	
Speed	200KHz	10KHz	16KHz	-	-	
Digital I/O Channels	-	-	8 isolated input 7 isolated O.C. output 8 TTL output	16 TTL Input 16 TTL Output	16 TTL Input 16 TTL Output	
Channel Scan	Yes	-	-	-	-	
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Isolated Digital I/O, Counter, Relay Output Board Selection Guide

Model No.	ISO-P32C32	ISO-C64	ISO-P64	ISO-730	P8R8DIO	P16R16DIO
Bus	AT	AT	AT	AT	AT	AT
Isolated Input Channels	32	-	64	16	-	16
Input Range	5-24V	-	5-24V	5-24V	-	5-24V
Isolated Output Channels	32	64	-	16	-	16
Driving Capacity	Open-collector 100 mA sink	Open-collector 100 mA sink	-	Open-collector 100 mA sink 200 mA max.	-	125V/0.3A relay
Non-isolated D I/O	-	-	-	16 DI 16 DO	-	-
Other Function	Built-in DC/DC	On board Fuse, LED	Built-in DC/DC	Built-in DC/DC	4 Form C relay 4 Form A relay	8 Form C relay 8 Form A relay
Connectors	1 x 40-pin 1 x DB-37	1 x 40-pin 1 x DB-37	1 x 40-pin 1 x DB-37	1 x DB-37 4 x 20-pin	1 x 40-pin 1 x DB-37	1 x 40-pin 1 x DB-37
Daughter board	DB-37, DN- 37, DB-8125	DB-37, DN- 37, DB-8125	DB-37, DN- 37, DB-8125	DB-37, DN- 37, DB-8125, DB-8025	DB-37, DN- 37, DB-8125	DB-37, DN- 37, DB-8125
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