



PCI Bus Data Acquisition Board Selection Guide

PCI-Bus AD/DA Board			PCI-1802		PCI-1800		PCI-1602		PCI-1202		PIO-1002		PIO-821		PISO-813	
Optional			L	H	L	H	F		L	H	L	H	L	H	(*note 1)	
Analog Input	Channel (*note 2)	S.E.	32		16		32		32		32		16		32	
		DIF.	16		8		16		16		16		8		-	
	Resolution		12bits		12bits		12bits		12bits		12bits		12bits		12bits	
	Input Impedance		10,000MΩ												10MΩ	
	Gain *Refer Table 1		Low Gain	High Gain	Low Gain	High Gain	Low Gain		Low Gain	High Gain	Low Gain	High Gain	Low Gain	High Gain	Low Gain	
	Sampling Rate Max. (S/sec)		330K	44K	330K	44K	200K	100K	110K	44K	110K	44K	80K	30K	10K	
	Input Range *Refer Table 1		Bipolar mode/Unipolar				Bipolar		Bipolar/Unipolar		Bipolar		Bipolar		Bipolar/Unipolar	
	Trigger Mode	Internal	Software Trigger, Pacer Trigger												Software Trigger	
		External	Post-trigger, Pre-trigger, Middle-trigger													
	Channel Scan Method		Magic Scan						Software		Software		Software		Software	
On-Board FIFO		2K sample (8K Option)		1K sample		2K sample (8K Option)		1K sample		-		-		-		
Bus Isolation		-		-		-		-		-		-		Y		
Analog Output	Channel		2						-		1		-			
	Resolution		12bits						-		12 bits		-			
	Output Range (Voltage)		-5~+5V -10~+10V						-		0~+10V 0~+5V		-			
	Driving Current		5mA						-		5mA		-			
Digital Input Channel			16						-		-		-			
Digital Output Channel			16						-		-		-			
Counter/Timer			16 bits						-		16 bits x 3		-			
Dimensions (mm)			200 x 105		200 x 105		190 x 105		200 x 105		175 x 105		160 x 105		180 x105	
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Note:

1. PISO-813 provides bus isolation up to 3,000Vdc
2. S.E. : Single-ended Input MOde Diff. : Differential Input Mode. (jumper selection)
3. *: A available soon

Table 1: Analog Input Range and Gain Table

			Analog Input Range and Gain Table							
High Gain	Gain Value		0.5	1	5	10	50	100	500	1000
	Input Range(V)	Bipolar	-10~10	-5~5	-1~1	-0.5~0.5	-0.1~0.1	-0.05~0.05	-0.01~0.01	-0.005~0.005
		Unipolar		0~10		0~1		0~0.1		0~0.01
Low Gain	Gain Value		0.5	1	2	4	8			
	Input Range(V)	Bipolar	-10~10	-5~5V	-2.5~2.5	-1.25~1.25	-0.625~0.625			