
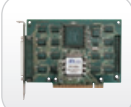
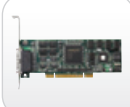
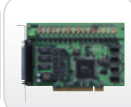

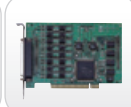

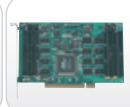
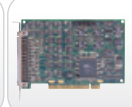



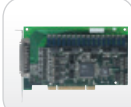

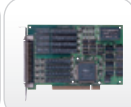


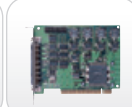


# PCI DIO Cards

Digital I/O Modules									
									
Model Name	PCI-7300A	PCI-7200	LPCI-7200S	PCI-7230	LPCI-7230	PCI-7233 PCI-7233H	PCI-7234P PCI-7234	PCI-7296 PCI-7248 PCI-7224	PCI-7396 PCI-7348
3.3V or 5V PCI	5V	5V	3.3V/5V	5V	3.3V/5V	5V	5V	5V	5V
Form Factor	PCI	PCI	Low Profile PCI	PCI	Low Profile PCI	PCI	PCI	PCI	PCI
Bus-mastering	●	●	●	-	-	-	-	-	-
DMA	-	-	-	●	●	●	●	-	-
Isolation	-	-	-	●	●	●	●	-	-
High Speed Digital I/O									
No. of Channels	2 x 16-bit DIO	32 DI, 32 DO	32 DI, 32 DO	-	-	-	-	4/2/1 x 24-bit 8255 PIO	96/48 DIO + COS <sup>(2)</sup>
Transfer Rate (Byte/s)	80M	12M	12M	-	-	-	-	500k <sup>(1)</sup>	500k <sup>(1)</sup>
FIFO size (words)	32k	-	-	-	-	-	-	-	-
Logic Standard	5V/TTL	5V/TTL	5V/TTL	-	-	-	-	5V/TTL	5V/TTL
Handshaking	●	●	●	-	-	-	-	-	-
Transfer	-	-	-	-	-	-	-	-	-
Dedicated Inputs									
No. of Channels	4	-	-	16	16	32 + COS <sup>(2)</sup>	-	-	-
Max. Sampling Rate (Hz) <sup>(1)</sup>	500k	-	-	10k	10k	10k	-	-	-
Logic Standard	5V/TTL	-	-	VIH=5-24V VIL=0-1.5V	VIH=5-24V VIL=0-1.5V	VIH=5-24V VIL=0-1.5V	-	-	-
Dedicated Outputs									
No. of Channels	4	-	-	16	16	-	32	-	-
Max. Update Rate (Hz) <sup>(1)</sup>	500k	-	-	10k	10k	-	10k	-	-
Output Type	5V/TTL	-	-	Darlington	Darlington	-	Darlington <sup>(3)</sup>	-	-
Timer/Counter									
Timer/Counter	-	-	-	-	-	-	-	-	-
Page Number	6-2	6-4	6-4	6-10	6-10	6-10	6-10	6-11	6-12

Digital I/O Modules									
									
Model Name	PCI-7250 PCI-7251	LPCI-7250	PCI-7260	PCI-7256	PCI-7258	PCI-7432	PCI-7433	PCI-7434	PCI-8554
3.3V or 5V PCI	5V	3.3V/5V	3.3V/5V	3.3V/5V	3.3V/5V	5V	5V	5V	5V
Form Factor	PCI	Low Profile PCI	PCI	PCI	PCI	PCI	PCI	PCI	PCI
Bus-mastering	-	-	-	-	-	-	-	-	-
DMA	-	-	-	-	-	-	-	-	-
Isolation	●	●	●	●	●	●	●	●	-
Dedicated Inputs									
No. of Channels	8	8	8 + COS <sup>(2)</sup>	16 + COS <sup>(2)</sup>	2	32	64	-	8
Max. Sampling Rate (Hz) <sup>(1)</sup>	10k	10k	10k	10k	10k	10k	10k	-	500k
Logic Standard	VIH=5-24V VIL=0-1.5V	VIH=5-24V VIL=0-1.5V	VIH=10-24V VIL=0-2V	VIH=10-24V VIL=0-2V	VIH=5-24V VIL=0-1.5V	VIH=5-24V VIL=0-1.5V	VIH=5-24V VIL=0-1.5V	-	5V/TTL
Dedicated Outputs									
No. of Channels	8	8	8	16	32	32	-	64	8
Max. Update Rate (Hz) <sup>(1)</sup>	-	-	-	-	-	10k	-	10k	500k
Relay Operate/Release Time	8ms/8ms	8ms/8ms	10ms/10ms	3ms/3ms	0.23ms/0.04ms	-	-	-	-
Output Type	Relay	Relay	Relay	Relay	PhotoMos Relay	Darlington	-	Darlington	5V/TTL
Timer/Counter									
Timer/Counter	-	-	-	-	-	-	-	-	10, 16-bit
Page Number	6-7	6-7	6-1	6-6	6-5	6-8	6-8	6-8	6-13

Legend: ● Supported – Not available

Notes: (1) Actual maximum update rate is dependent on system performance.

(2) Change Of State detection

(3) The PCI-7234P's outputs provide Darlington source drivers.