

PCI-7200



Digital I/O
12 MByte/s, 32 channels



Timer
82C54, based on 4MHz



12 MB/s High speed DIO Card

with Digital I/O, Auxiliary Digital I/O and Counter

Digital I/O (DIO)

Channel

32 inputs and 32 outputs

Data Transfer Mode:

- Program I/O
- Internal timer pacer transfer
- External I_REG strobe input
- Handshake data transfer

Max transfer speed:

3 MHz (12MB/s) by external clock, handshake or external strobe 2MHz (8MB/s) by internal timer pacer transfer

I/O signal characteristic

TTL compatible

Input voltage:

Low: 0.V min., 0.8V max.
High: +2.0V min.

Input load

Low : +0.5 V @ -0.6 mA max.
High : +2.7 V @ 20 µA max.

Output voltage

Low : 0 V min., 0.5 V max.
High : +2.7 V min.

Output driving capacity

Low : +0.5 V @ max. 24 mA sink
High : +2.4 V @ max. -3.0 mA source

Programmable Counter

Device

82C54, based on 4MHz

Timer 0

DI clock source

Timer 1

DO clock source

Timer 2

Base clock of timer 0/1

Physical / Environmental

Connector

one DB-37 female connector
and one 40-pin header

Operating Temperature

0°C ~ 60°C

Storage Temperature

-20°C ~ 80°C

Humidity

5 ~ 95%, non-condensing

Power Consumption

+5 V @ 720 mA typical

Dimensions

148 (L) x 102 (H) mm

Termination Boards

ACLD-9137 : Screw Terminal Board
with male DB-37 Connector

ACLD-9188 :Screw Terminatal Board

Ordering Information

PCI-7200 12 MB/s High Speed 32-Ch DI, 32-CH DO Card (includes one 40 to 37-pin PC back panel, ACL-10437)

Note: The above products are shipped with software development kit for DOS/Win-95/98/NT/2000, PCIS-LVIEW and PCIS-VEE.)

Pin Assignment

DI0	1	○	20	DO0
DI1	2	○	21	DO1
DI2	3	○	22	DO2
DI3	4	○	23	DO3
DI4	5	○	24	DO4
DI5	6	○	25	DO5
DI6	7	○	26	DO6
DI7	8	○	27	DO7
DI8	9	○	28	DO8
DI9	10	○	29	DO9
DI10	11	○	30	DO10
DI11	12	○	31	DO11
DI12	13	○	32	DO12
DI13	14	○	33	DO13
DI14	15	○	34	DO14
DI15	16	○	35	DO15
+5 V	17	○	36	GND
I_ACK	18	○	37	I_TRG
I_REQ	19	○		

DI16	1	○	2	DO16
DI17	3	○	4	DO17
DI18	5	○	6	DO18
DI19	7	○	8	DO19
DI20	9	○	10	DO20
DI21	11	○	12	DO21
DI22	13	○	14	DO22
DI23	15	○	16	DO23
DI24	17	○	18	DO24
DI25	19	○	20	DO25
DI26	21	○	22	DO26
DI27	23	○	24	DO27
DI28	25	○	26	DO28
DI29	27	○	28	DO29
DI30	29	○	30	DO30
DI31	31	○	32	DO31
+5 V	33	○	34	GND
O_ACK	35	○	36	O_TRG
O_REQ	37	○	38	NC
NC	39	○	40	NC



Year 2000
Compliant