# PCI-1710

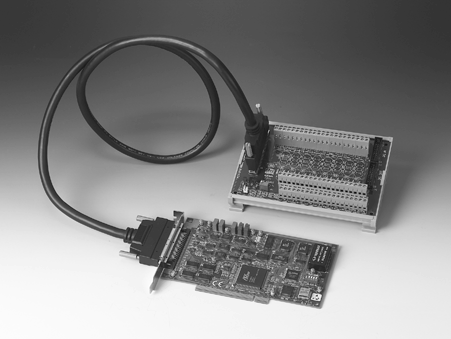
PCI-1710HG

### 100 KS/s,12 PCI ¾

@Ø "#$%&

100 KS/s,12 p !

PCI ¾@ !#$%&'



**PCI-1710/1710L/1710HG/1710HGL**

**PCLD-8710**



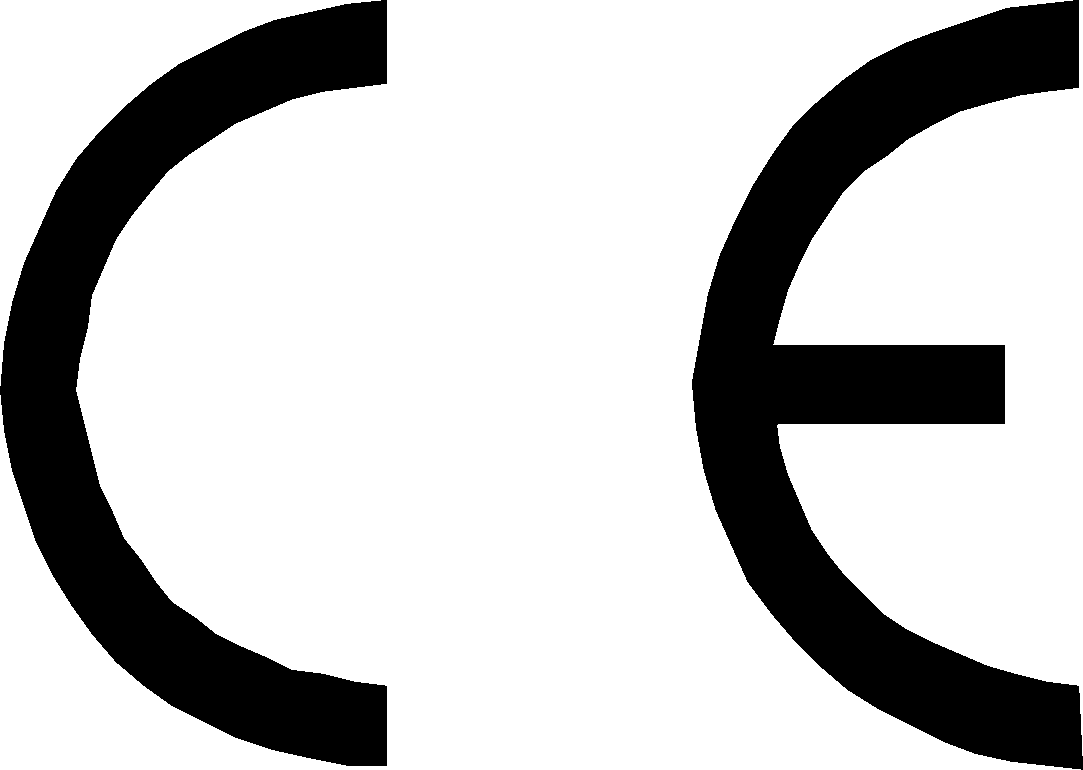
* 16 !"#$ 16 !"#
* !"# / ;
* BoardIDTM fl
* !

12 ƒ !"#

* 2

#A

* 16 ! 8 § !"#$%& ‰ !"#$
* 12 ƒ A/D § !çfl "# 100 KHz
* !"# %&'()
* !"#$%&'(
* [ 4 K çfl FIFO



$ä

PCI-1710 fi ! PCI õ !"#$%&'(%]  " $% '()\*+,-  ./0,1  234‰% !"#%&'  )\*+,-./:

12 ƒ A/D § D/A § y !"# y !"#$ % / ;  !"#

### fi$

#### !"

* ‰ 16  ! 8 § !"#$%

(fi !"#$

* 9 12 ƒ
* Ø‡ **FIFO** 4 K çfl
* $ ! ± 30 V

* ‡ ! ($ !fifl !"#

|  |  |  |
| --- | --- | --- |
| ¼ | **PCL-1710/1710L** | **PCI-1710HG/1710HGL** |
| : | ± 10, ± 5, ± 2.5, | ±10, ±5, ±1, ±0.5, ± 0.1 |
| ± 1.25, ± 0.625 | ± 0.05, ± 0.01, ± 0.005 |
| $ | 0 ~ 10, 0 ~ 5, 0 ~ 2.5, | 0 ~ 10, 0 ~ 1, 0 ~ 0. |
| 0 ~ 1.25 | 1, 0 ~ 0.01 |

* ¾ !" **(CMRR)**

|  |  |  |  |
| --- | --- | --- | --- |
| **PCL-1710/1710L** | | **PCI-1710HG/1710HGL** | |
|  | ¾ !" |  | ¾ !" |
| 0.5, 1 | 75 dB | 0.5, 1 | 75 dB |
| 2 | 80 dB | 10 | 90 dB |
| 4 | 84 dB | 100 | 106 dB |
| 8 | 84 dB | 1000 | 106 dB |

* p !"# (S/s,$¾ PGIA %½ !"

|  |  |  |
| --- | --- | --- |
| ¼ |  | p !"# |
| **PCL-1710/1710L** | 0.5, 1, 2, 4, 8 | 100 kS/s |
| **PCI-1710HG/ 1710HGL** | 0.5, 1 | 100 kS/s |
| 5, 10 | 35 kS/s |
| 20, 100 | 7 kS/s |
| 500, 1000 | 770 S/s |

:çfl "#$%&'()\*+,-). 0çfl " $%&

fi¾ "CPU $ !  #$%&'#$(

* ($¾ !")

**\* *S.E****:$* ***D****:þ9*



|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **PCL-1710/1710L** | | **PCI-1710HG/1710HGL** | | |
|  |  |  |  |  |
| 0.5, 1 | FSR  0.01% ± 1 LSB | 0.5, 1 | FSR  0.01% ± 1 LSB | S.E/D |
| 2 | FSR  0.02% ± 1 LSB | 5, 10 | FSR  0.02% ± 1 LSB | S.E/D |
| 4 | FSR  0.02% ± 1 LSB | 50, 100 | FSR  0.04% ± 1 LSB | D |
| 8 | FSR  0.04% ± 1 LSB | 500, 1000 | FSR  0.08% ± 1 LSB | D |

* ⎝ ! ± 1 LSB
* ‡ ! 1 G
* @ ! fifl !" !  #$%&'($%

#### !" (@ ! PCI-1710/1710HG)

* ‰ 2
* 9 12 ƒ
* fi  ± 1/2 LSB
* ! ± 1 LSB
* $  PC,fifl !(Direct AO)
* $ ! 10 V/ms
* $ ! fi !"#:0 ~ +5 V @ -5 V,

(fi !"#$ 0 ~ +10 V @ -10 V

fi !"#:0 ~ +x V @ -x V (-10  x 10)

* fi ! 10 mA

#### y !"

* ‰ 16
* ‡ ! ¼$ : 0.4 V( !

$ : 2.4 V( !

* ‡ ! ¼$ : -0.2 mA @ 0.4 V

$ : 20 mA @ 2.7 V

**6-10**

‡ !"#$%&'

### fi$(:

fi !

PCI-1710 PCI-1710HG

fifl

1

#### y !"

* + ‰ 16
  + $ ! ¼$ :0.4 V( !@ 8.0 mA(

$ :2.4 V( !@ -0.4 mA(

#### ! # / fi

* + fi® " 82C54 !"
  + fi® 3 ‰ 16 ƒ,2 !"#$% 32 ƒ  !

¼; !"#$1 !"#"

* + ‡ !"fi fl TTL/CMOS

◆ $ ‰ 1:10 MHz

‰ 2: ) !" 1 

 ‰ 0:$fi !"#$ 1 MHz fi (

$ 10 MHz)

PCI-1710 fi !"#$%&()\*  , :

PCI-1710 100 KS/s,12 ƒÇ !"#$%&

PCI-1710L 100 KS/s,12 ƒÇ !"#$%&'fl AO PCI-1710HG 100 KS/s,12 ƒ !"#$%&'()

PCI-1710HGL 100 KS/s,12 ƒ !"#$%&'()\*fl AO

#### $ !"#$ &'()\*

PCI-1710/1710HG $— !"#$ / !"$ $ !"$%

fi !"#$&'  )\*+ ƒ[ SRAM fl !"#$%&  (

!"#‰ !"#$%&'()+&'  -./ !"#

!"#$%&'()  +-.( 100 KHz)

#### $§ FIFO(¢ ¢!"$‰

PCI-1710/1710/1710HG/1710HGL ƒ[ !" FIFO  !; !

4K  A/D çfl ! FIFO !PCI-1710 PCI-1710HG çy !

IPPC

TPC

2

3

4

FPM

5

ATM &AWS

#### — !

* + **CE CISPR 22 class B** fifi
  + **I/O** ®§ 68 SCSI-II flfi !
  + fl +5 V @ 850 mA( !"

+5 V @ 1.0 A( !

$ ! "#$%& )\*+,- Windows fl ! #$% DA&C

#### ƒ[ !"#$%

6

7



PCI-1710/1710/1710HG/1710HGL !"# %&'($ƒ A/

cPCI

D q !"#$&fi !"# 82C54 fl 82C54 !"#;

8

º º !" 16 ƒ 10 MHz !"#$%$ !"#$%&'()



* + ‡fl  0 ~ 60 C (32 ~ 140 F) ( ½ IEC 68-2-1, 2)

º º fi !$ !"#$  &'()\*+, flfi !"#$%&'()\*

* + ‰fl  -20 ~ 70 C (-4 ~ 158 F)
  + ‡fl  5% ~ 95% RH,fl ( IEC 68-2-3)
  + flfl **(L x H)** 175 x 100 mm (6.9" x 3.9")
  + **MTBF** fl !"25º C fi !" 64,770 fi

### fi !

* + **PCI-1710** 100 KS/s,12 ƒÇ !"#$%&'$fl "

fifi ! CD-ROM (fl !"#

* + **PCI-1710L** 100 KS/s,12 ƒÇ !"#$%&(fl AO),

$fl "#$%& CD-ROM (fl !"#

* + **PCI-1710HG** 100 KS/s,12 ƒ !"#$%&'()\*$fl

$  !"#$ CD-ROM (fl !"#

* + **PCI-1710HGL** 100 KS/s,12 ƒ !"#$%&'()(fl

AO),$fl "#$%& CD-ROM (fl !"#

* + **PCLD-8710** CJC $ $ƒ DIN ¤fl !  #$%&'

(fl !"#

* + **PCL-10168** fl !"#$ 68 SCSI-II $Š $ !

fi¼ !  #$ &'fi  1

* + **PCL-10168-2** fl !"#$ 168 SCSI-II $Š $ !

fi¼ !  #$ &'fi  2

* + **ADAM-3968** DIN ¤fl ! 68 SCSI-II !

$fl "# 32 ƒ; !"

#### $† !"#%&'()\*

PCL-10168  !"#$% PCI-1710/1710HG  ";$ !

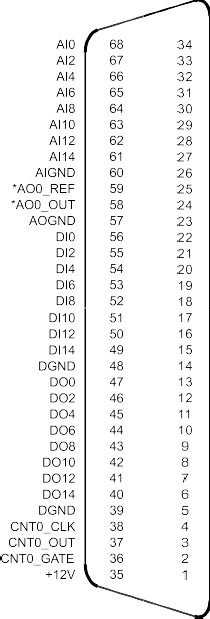
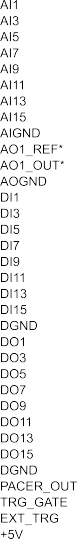
¼ !"#$  &'( $ !"#%&  !"#$%&'"#

 % ! #  %‰fl "#$  &'()\*+,-.  EMI/EMC

!"# &'(



### $ !



ADAM-3000

fi !

9

ICOM

10

eConnectivity

11

UNO

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ADAM-4000

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ADAM-5000

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ADAM-6000

15

## 6-11

fl@ !

[www.advantech.com.cn/products](http://www.advantech.com.cn/products)

ADAM-8000

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BAS

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