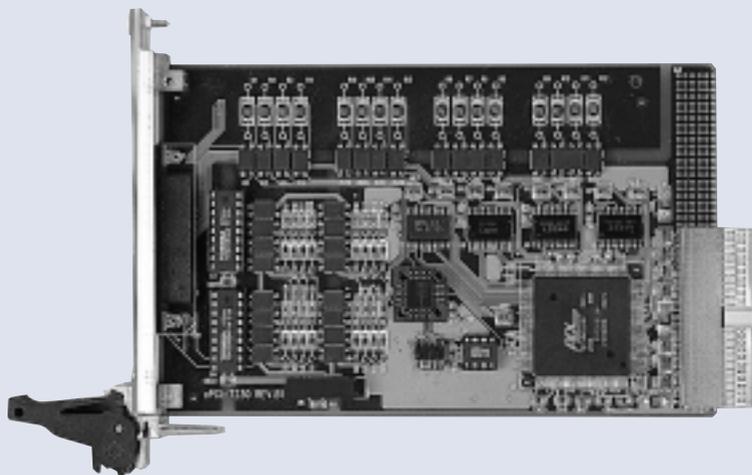


### Features

- 32-bit CompactPCI Bus, PICMG 2.0 R2.1
- 16 Isolated DI Channels and 16 Isolated DO Channels
- 5000 Vrms high isolation voltage between external signal and system power, ground
- Darlington open-collector digital output, with large current sink capability and clamp diode protection
- Internal isolated power for DO channels
- Differential AC or DC voltage input for isolated input channels
- Up to 24V input voltage for isolated input
- Dual interrupt trigger from DI0 and DI1
- Rugged 50-pin SCSI connector



### Specifications

#### Isolated Input Channel

- Number of channels: 16
- Input signal type: differential DC or AC voltage source
- Input resistance: 1.2K $\Omega$  @ 0.5W
- Input voltage: Max. 24Vdc (Higher voltage for OEM version only)
  - Logic high: 3~24V
  - Logic low: 0~2.4V
- Isolation voltage: 5000 V rms
- Throughput: 10KHz max

#### Isolation Output channel

- Number of channels: 16
- Output type: Darlington transistors, open collector up to 35Vdc
- Transistor: TD62083 or compatible
- Sink current:
  - 500mA max. @ 100% duty for one of transistors device ON
  - 347mA @ duty 10% for all transistors devices ON
  - 140mA @ duty 50% for all transistor devices ON
- Isolation voltage: 5000 Vrms
- Throughput: 10kHz max.

#### Interrupt Sources

- Ch#0 and Ch#1 of DI channels

#### General Specifications

- Operating temperature: 0° ~ 60°C
- Storage temperature: -20° ~ 80°C
- Humidity: 5 ~95% non-condensing
- Connector: 50-pin SCSI-type connector (female)
- Power consumption: 5VDC @ 150mA (Typical)

#### Termination Boards

- DIN-50S

#### Ordering Information

##### cPCI-7230

Isolated 16 DI & 16 DO module

##### cPCI-7230/D

cPCI-7230 with DIN-50S

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

#### Pin Assignments of the 50-pin SCSI-type connector

VDD (1)	○ ○	(26) VDD
EOGND (2)	○ ○	(27) EOGN
EOGND (3)	○ ○	(28) EOGN
EOGND (4)	○ ○	(29) EOGN
IDO_7 (5)	○ ○	(30) IDO_14
IDO_6 (6)	○ ○	(31) IDO_15
IDO_5 (7)	○ ○	(32) IDO_12
IDO_4 (8)	○ ○	(33) IDO_13
IDO_3 (9)	○ ○	(34) IDO_10
IDO_2 (10)	○ ○	(35) IDO_11
IDO_1 (11)	○ ○	(36) IDO_8
IDO_0 (12)	○ ○	(37) IDO_9
IDL_3H (13)	○ ○	(38) IDL_7L
IDL_3 (14)	○ ○	(39) IDL_7H
IDL_2H (15)	○ ○	(40) IDL_6L
IDL_2L (16)	○ ○	(41) IDL_6H
IDL_1H (17)	○ ○	(42) IDL_5L
IDL_1L (18)	○ ○	(43) IDL_5H
IDL_0H (19)	○ ○	(44) IDL_4L
IDL_0L (20)	○ ○	(45) IDL_4H
IDL_11 (21)	○ ○	(46) IDL_15
IDL_10 (22)	○ ○	(47) IDL_14
IDL_9 (23)	○ ○	(48) IDL_13
IDL_8 (24)	○ ○	(49) IDL_12
IGND (25)	○ ○	(50) IGND