



PCIe-7396

96-Channel High-Driving PCIe Digital I/O Module



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ADLINK PCI Express Digital I/O Card Portfolio

New Launch

TTL DIO



PCIe-7396

96 Channels DIO
DIO SW Programmable
Change-Of-State Detection



PCIe-7296

96 Channels DIO
DIO SW Programmable
Programmable Interrupt



PCIe-7248

48 Channels DIO
DIO SW Programmable
Programmable Interrupt

High-Density Isolated DIO



PCIe-7442

64 Channels DI
64 Channels DO
Change-Of-State Detection

Isolated DIO



PCIe-7432

32 Channels DI
32 Channels DO
2 External Interrupt Sources



LPCiE-7230

16 Channels DI
16 Channels DO
2 External Interrupt Sources

Relay DO



PCIe-7256

16 Channels DI
16 Channels DO
Latching Relay



LPCiE-7250

8 Channels DI
8 Channels DO
Non-latching Relay

Why PCI Express?

Bandwidth more than
PCI interface

Performance



Evolutions

PCI Express support surpassing
PCI due to continued
development by PICMG

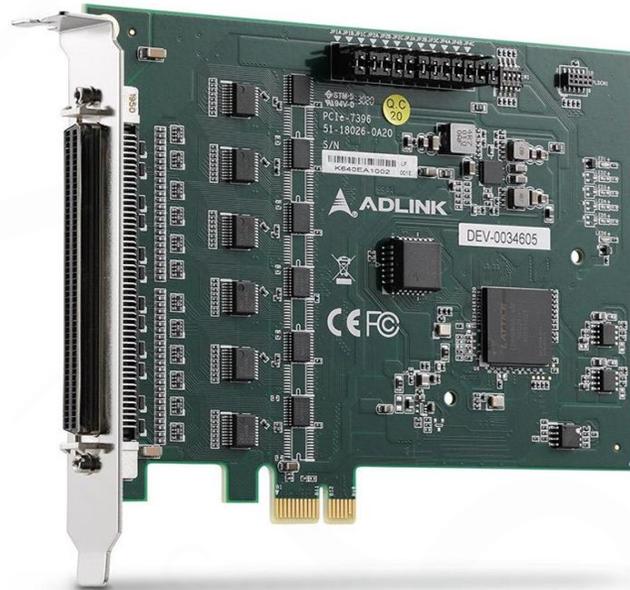
Profession

ADLINK is a leading machine
automation company

Why the ADLINK PCIe-7396?

PCI Express Compliant, Better performance

- Easy upgrade from PCI 7396, seamless replacement retains the same operating mode
- PCI Express interface support is surpassing PCI due to ongoing development by the PICMG



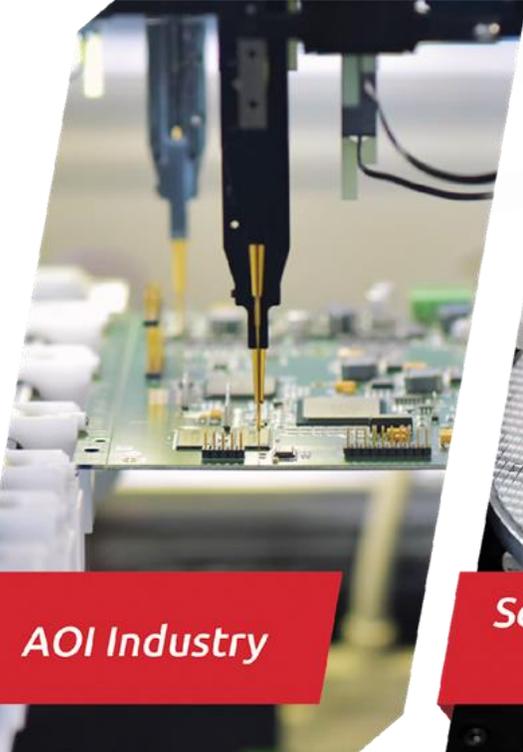
Ease of use

- Plug and play add-on card
- Quick and easy to install

Digital I/O module for industrial applications

- Programmable mixed digital input and output
- Industrial monitoring and control
- LED indicator control
- Parallel data transfer
- TTL, DTL, and CMOS logic sensing

Target Industries



AOI Industry



Semiconductor Industry



3C Industry



LCD Industry

Specifications

Digital I/O	
Number of Channels	96 Input or Output
Compatibility	5 V/TTL
Power-on State	Input
Digital Logic Levels	
Input High Voltage	2–5.25 V
Input Low Voltage	0–0.8 V
Output High Voltage	2.4 V minimum
Output Low Voltage	0.5 V maximum
Output Driving Capacity	
Source Current	15 mA
Sink Current	48 mA
Data transfers	Programmed I/O
General Specifications	
I/O Connector	One 100-Pin SCSI-II Female
Operating Temperature	0°C to 60°C (32°F to 140°F)
Storage Temperature	-20°C to 80°C (-4°F to 176°F)
Relative Humidity	5% to 95%, non-condensing
Power Requirements	+5 V (Typical: 450 mA)
Dimensions (not including connectors)	138.96 mm x 98.4 mm

Interrupt Function
Interrupt #0 Sources:
• P1C0
• P1C3
• 16-Bit event counter
• Change-of-state detection on any bit of PPI 1 & PPI 2
Interrupt #1 Sources:
• P2C0
• P2C3
• 32-Bit timer (based on 2 MHz internal clock)
• Change-of-state detection on any bit of PPI 3 & PPI 4

Software Support
Backwards compatible with PCI Series
Supported Operating System
• Windows® 7/10 x64/x86
• Linux for Ubuntu 18.04 & 20.04 4.15.0-20-generic, 5.4.0-26-generic, 5.4.0-47-generic
Driver and SDK
• LabVIEW, C/C++, Visual Basic, Visual Studio.NET
Software Utility
• ACE, Soft-Front Panel

Ordering Information

PCIe-7396

- 96-Channel High-Driving Digital I/O Card

Terminal Boards & Cables

- **DIN-100S-01**

Terminal Board with One 100-pin SCSI-II Connector and DIN-Rail Mounting (Cables not included)

- **DIN-96DI-01**

96-CH Isolated DI Terminal Board with DIN-Rail Mounting (Cables not included.)

- **ACL-102100-1**

100-pin SCSI-II cable (mating with AMP-787082-9), 1 M

THANK YOU



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