ACL-6128A

2-CH 12-Bit Isolated Analog Output Card

Features

- Fully compatible with ADLINK phased-out ACL-6128 in software and hardware
- 2-CH 12-bit multiplying analog outputs
- Bipolar or unipolar voltage output ranges
- Unipolar current output ranges
- 2500 V_{RMS} optical isolation
- Compact, half-size PCB
- Register structure compatible with PCL-728
- Operating Systems
- Windows 2000/NT/XP/9x
- · DOS
- Recommended Software
- VB/VC++/BCB/Delphi
- Turbo C/Borland C
- **■** Driver Support ACLS-LVIEW
- · ACLS-DLL/DLL2
- DOS library



Introduction

ADLINK ACL-6128A is a 2-CH, 12-bit, Isolated Analog Output Card. The ACL-6128A device features flexible configurations on analog outputs. It provides 2 programmable output ranges for both bipolar and unipolar output. With the optical isolation, the ACL-6128A device features protection for both system and external devices

The ACL-6128A also features 2-CH current output, and the sink current ranges from 0 to 20 mA or 4 to 20 mA. ADLINK ACL-6128A delivers cost-effective and reliable analog output capabilities and is ideal for a broad variety of applications.

Specifications

Voltage Output

- Number of channels: 2
- Resolution: 12 bits
- Output ranges (jumper selectable)

Output Ra	nges
Bipolar	±10 V, ±5 V, ±EXTREF
Unipolar	0 to 10 V, 0 to 5 V, 0 to EXTREF

- Accuracy: ± 0.012 % of FSR
- Linearity : ± 1/2 LSB
- Settling time: 60µs to ± 0.5 LSB ■ Isolation voltage: 2500 VRMS
- Data transfers: programmed I/O

Current Output

- Number of channels: 2
- Resolution: 12 bits
- Current sink ranges: 0-20 mA or 4-20 mA
- Isolation voltage: 2500 VRMS
- Data transfers: programmed I/O

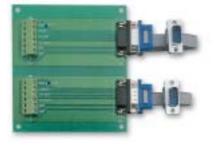
General Specifications

- I/O connector: 9-pin D-sub female x 2
- Operating temperature: 0 to 55 °C
- Storage temperature: -20 to 80 °C ■ Relative humidity: 5 to 95 %, noncondensing
- Power requirements: +5 V @ 780 mA typical, 1 A max
- Dimensions (not including connectors) 163 mm x 107 mm

Termination Boards

■ ACL D-7285

Termination Board with Two 9-pin D-sub Connectors (Including One 0.3-meter 9-pin D-sub



Pin Assignment

VOUT	1	6	AGND
AGND	2	7	REFIN
ISINK	3	8	AGND
AGND	4	9	+15Vout
AGND	5		

Ordering Information

■ ACL-6128A 2-CH 12- bit Isolated Analog Output Card



