

LKV-510

Isolated Analog Input/Output Board With Internal DSP



LKV-510 보드는 150MFLOP 75MIPS의 성능의 DSP를 탑재한 Intelligent Analog I/O Board로서 Opto-Isolation된 16 Channels Analog Input과 8 Channels Analog Output Channel를 가지고 있으며, 주문 형태에 따라 12 Bits와 16 Bits Resolution이 가능하다.

■특장점

1. Analog 입력

- 16 Differential input and 2 Single ended Input Channels(Instrument AMP used per channel)
- 12 Bits or 16 Bits High Resolution Version
- Accuracy 12 Bits : 0.1% FSR, 16 Bits : 0.01%FSR
- Auto Scanning : Continuously digitizes input and stores result in dual ported data registers.
- Various input signal range by Jumper selection : Single Mode(5V, 10V)
: Dual Mode($\pm 5V, \pm 10V$)
: Current Mode(4mA to 20mA)
- Digital calibration with internal DSP or Device Driver
- Built-In-Test with internal references
- 200KHz aggregate sample rate
- Programmable Scan Time Setting
- Over voltage and surge protection per channel
- Optional filters(LPF, HPF, BPF) by Option Board use
- P2 rear input

2. Analog 출력

- 8 analog output channels : DAC per output channel
: 10mA maximum output current per channel when voltage output when voltage output

3. Digital 입 · 출력

- Opto Isolated Digital Input 2 channels
- Opto Isolated Digital Output 2 channels

4. DSP(TMS320VC33-150)

- 150MFLOPS, 75 MPS
- 32 Bits High Performance floating point DSP
- 256K x 32 Bits external SRAM
- One port serial support(RS-232)
- Two 32-Bit Timers
- Option Board for Memory extension or ETC
- Watch Dog Reset

5. 인터페이스

- Standard address mode(A24) or short address mode(A16) support
- Programmed VME bus Interrupt
- Front panel status LED(RUN, FAIL, ACC, DIAG, DIA, DIB, D0A, D0B)

6. 절연

- Optical Isolation 1500V analog GND to digital GND

■주문사양(Ordering Information)

- LKV510-XY
- X : CPU Y : Resolution
- 1 : With CPU 1 : 12 Bits
- 2 : Without CPU 2 : 16 Bits

■블럭다이아그램

