

USB-MULTI

USB Multi-function(Analog I/O, Digital I/O) product



INTRODUCTION

It is a ROM Emulator of the economical price that used USB Interface. It download 1M Byte to 12Mbps Full Speed USB methods in approximately 1 second, and you can test quickly.

GENERAL DESCRIPTION

- ◆ Full Speed Device 12Mbps
- ◆ 8Mbit(1MByte) High Speed SRAM

APPLICATION

- ◆ Data acquisition
- ◆ Laboratory instrumentation
- ◆ Process control systems
- ◆ Factory automation

SOFTWARE

Operating System

Windows 2000 SP4/XP SP1 over

■ Recommended Software

 API : Interface with Application through client DLL

SPECIFICATION

■ Interface

- USB Powered through USB-B Connector
- +5V Single Power Operation
- 24 point terminal for sensor connection
- D-sub 25pin female connector for 15 Digital I/O
- UART(Data bit 8, 1 start, 1 stop, No Parity, 38400bps) Tx/Rx

■ Function

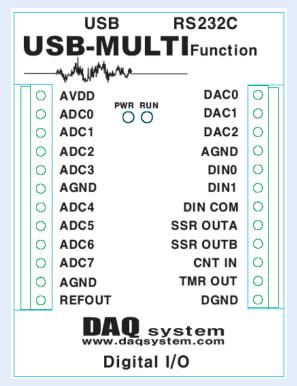
- One 16bit Timer / One 16bit Counter
- 8ch 12bit ADC / 3ch 12bit DAC
- One SSR output
- Two photo-coupler isolated Digital input
- 15 general purpose Digital I/O

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PHYSICAL/ENVIRONMENTAL

- Dimension
 - 99.2 x 73.4 mm
- **■** Board Feature



■ Temperature

- 0 to 60°C, Operating
- -20 to 80°C Storage

■ Relative Humidity

• 5 to 95%, Non-considering

■ Power Requirement

■ +5VDC(±5%) at Max. 250mA



BLOCK DIAGRAM

USB-MULTI USB Full Speed 15Bit I/O Input/Output Device 1.1 CMOS 3.3V Level Specification SIE USB Communication UART Interface Data Photo-coupler input Isolation Input Micro 2Channel controller Photo-Mos \ Isolation Output Relay Output 1Ch ADC 8 Channel Analog Timer 16Bit Timer Signal DAC 3 Channel Counter 16Bit Counter