

Ideal for Desktop/Laptop use



USB-120A Front



USB-120A Back



## DESCRIPTION

The **MicroDAQ USB-24A, USB-72A and USB-I20A** are general purpose digital I/O products for the USB bus. Based on the industry standard 82C55 PPI device, they communicate with the PC via the USB bus. Featuring 24, 72 or 120 TTL level digital I/O lines (depending on model). The I/O can be programmed in banks of 8 as inputs or outputs.

These digital I/O products are ideal for use in the connection between a computer and the outside world. Allowing computer programs not only to sense real world events, but control them as well. Applications include man-machine interfacing, driving high power loads, sensing switch contact closures and much more.

The USB-24A and USB-72A both feature very low power consumption, which allows them to draw their power directly from the USB bus. Eliminating the need for an external power supply. The USB-I20A is powered by a Regulated 9VDC @ 1A Universal Input PSU, which is supplied with the unit.

## FEATURES

- USB Interface
- 24, 72 or 120 DIO lines (model dependent)
- TTL level I/O
- I/O Connector: 1x DB25 (-24A); 3x DB25 (-72A); 5x DB25 (-I20A) Male
- LED indication for power & USB connection
- Ideal for Portable/Laptop Applications
- Housing: Plastic ABS with rubber feet
- Operating Temp: 0 to 70°C
- Power: 100mA (USB-24A); 260mA (USB-72A); 360mA (USB-I20A) max
- O/S Support for Windows 98/ME/XP/2000 & Linux
- Includes EDRE SDK, EDRE-Labview, EDRE-Testpoint and WaveView for Windows
- Dimensions (USB-24A; USB-72A): 45(H) x 80(W) x 148(L) mm
- Dimensions (USB-I20A): 65(H) x 80(W) x 148(L) mm

## Specifications

### Digital I/O (DIO)

No. of TTL Lines: 24 / 72 / 120 (Model Dependent)

### Logic Levels:

Input Low Voltage:	-0.5V to 0.8V
Input High Voltage:	2.0V to 5.0V
Output High Voltage Min:	2.4V
Output Low Voltage Max:	0.45V
Maximum Output Current:	2mA

## Optional Adaptors



ADPT-25-S



ADPT-25-M



ADPT-25-L



USB-120A with Adaptors

### DB-25M

PA1	14	1	PA0
PA3	15	2	PA2
PA5	16	3	PA4
PA7	17	4	PA6
PB1	18	5	PB0
PB3	19	6	PB2
PB5	20	7	PB4
PB7	21	8	PB6
PC1	22	9	PC0
PC3	23	10	PC2
PC5	24	11	PC4
PC7	25	12	PC6
		13	DGND

Digital I/O

## Ordering Information

Supplied with EDR Enhanced Software & 1.8 Mtr USB Cable

USB-24A	USB 24 Channel DIO Unit - USB powered
USB-72A	USB 72 Channel DIO Unit - USB powered
USB-120A	USB 120 Channel DIO Unit - incl. Universal Switch Mode 9V PSU

