

Ideal for Desktop/Laptop/PDA use



Optional Adaptors



ADPT-25-S



ADPT-25-M



ADPT-25-L

DESCRIPTION

The **MicroDAQ SRL-24A, SRL-72A and SRL-120A** are general purpose digital I/O products which communicate to the host PC via a RS-232 or RS-485 (dependent on model) serial connection. Based on the industry standard 82C55 PPI device. They Feature 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.

Two interface versions are available for the serial MicroDAQ range, these include RS-232 models and RS-485 models. The RS-232 models are best suited for short distances (up to 30 metres) or for use with hand held PC's such as PDA's.

The RS-485 models allow for long distance data transmission (up to 1200 metres). These RS-485 models are ideally suited for process control applications in a plant or industrial environment, which require long cable runs.

An easy-to-use configuration panel allows for easy setup of the devices. Drivers are provided for the most popular operating systems, as well as for the WindowsCE® family of products including PocketPC2002 and PocketPC2003. This support allows the serial MicroDAQ range to be controlled directly from a palm held PC with a serial port. Each unit is supplied with a WindowsCE API and control panel which is downloaded from a PC to the handheld device. Embedded Visual C++ and embedded Visual Basic examples are supplied.

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.

FEATURES

- Connects via RS232 or RS485
- 24, 72 or 120 DIO lines (model dependent)
- TTL level I/O
- I/O Connector: 1x DB25 (-24A); 3x DB25(-72A); 5x DB25(-120A) Male
- LED indication for power connection
- Ideal for portable/laptop applications
- Housing: Plastic ABS with rubber feet
- Operating Temp: 0 to 70°C
- Power: 100mA (SRL-24A); 260mA (SRL-72A); 360mA (SRL-120A) max
- O/S Support for Windows 98/ME/XP/2000 & WinCE (PocketPC2002 & PocketPC2003)
- Includes EDRE SDK, EDRE-Labview, EDRE-Testpoint and WaveView for Windows
- Dimensions (SRL-24A; SRL-72A): 45(H) x 80(W) x 148(L) mm
- Dimensions (SRL-120A): 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

Ordering Information

Supplied with EDR Enhanced Software & Universal Switch Mode 9V PSU

SRL-24A-RS232	MicroDAQ RS232 24 Channel DIO Unit & 2m RS232 cable
SRL-24A-RS485	MicroDAQ RS485 24 Channel DIO Unit & ADPT-9
SRL-72A-RS232	MicroDAQ RS232 72 Channel DIO Unit & 2m RS232 cable
SRL-72A-RS485	MicroDAQ RS485 72 Channel DIO Unit & ADPT-9
SRL-120A-RS232	MicroDAQ RS232 120 Channel DIO Unit & 2m RS232 cable
SRL-120A-RS485	MicroDAQ RS485 120 Channel DIO Unit & ADPT-9

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



SRL-120A with Adaptors

Digital I/O