

Ideal for Desktop/Laptop/PDA use



BT-120A-Back

## DESCRIPTION

The **MicroDAQ BT-24A, BT-72A and BT-120A** are general purpose digital I/O products which communicate to the host PC via a Wireless 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.

The units come supplied with a USB Wireless dongle which plugs into the PC to offer wireless communication. You can achieve a range of up to 10 metres depending on circumstances.

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 wireless MicroDAQ range to be controlled directly from a Wireless enabled palm held PC. 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 Wireless connection
- 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 (BT-24A); 260mA (BT-72A); 360mA (BT-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 (BT-24A; BT-72A): 45(H) x 80(W) x 148(L) mm
- Dimensions (BT-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

### 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 & Universal Switch Mode 9V PSU

BT-24A	Wireless 24 Channel DIO Unit, USB Wireless Dongle & 2.4 GHz Antenna
BT-72A	Wireless 72 Channel DIO Unit, USB Wireless Dongle & 2.4 GHz Antenna
BT-120A	Wireless 120 Channel DIO Unit, USB Wireless Dongle & 2.4 GHz Antenna