

Ideal for Desktop/Laptop/PDA use



### DESCRIPTION

BT-62-16

The MicroDAQ BT-62 is a protected digital I/O product which communicates to the host PC via a Wireless connection. Based on the industry standard 82C55 PPI device. It features 16/32 Opto Isolated inputs (depending on model) and 24 TTL level Digital I/O lines. The I/O can be programmed in banks of 8 as inputs or outputs.

The unit comes 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.

The BT-62 with its Opto Isolated inputs eliminates the need for additional cables and Opto Isolation modules. The BT-62 is powered by a Regulated 9VDC @ 1A Universal Input PSU, which is supplied with the unit.

### FEATURES

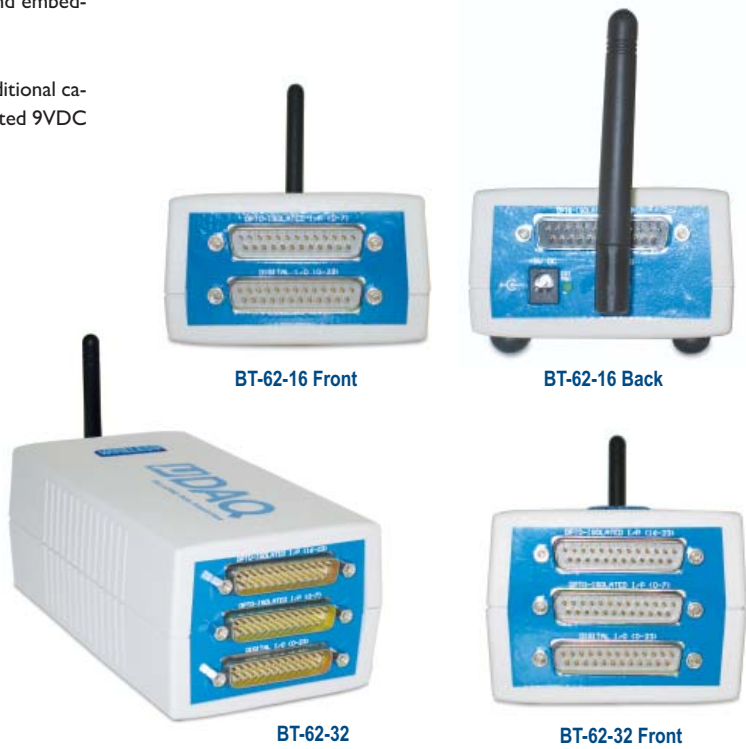
- Connects via Wireless connection
- 24 TTL Level DIO lines
- 16 or 32 Opto Isolated Digital Inputs (model dependent)
- I/O Connectors: 3x DB25 (SRL-62-16); 5x DB25 (SRL-62-32)
- LED indication for power connection
- Ideal for portable/laptop applications
- Housing: Plastic ABS with rubber feet
- Operating Temp: 0° to 70°C
- Power: 110mA (USB-62-16); 120mA (USB-62-32) 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-62-16) 45(H) x 80(W) x 148(L) mm (BT-62-32) 65(H) x 80(W) x 148(L) mm

### Specifications

<b>Digital I/O(DIO)</b>	
No. of TTL Lines:	24
Logic Levels:	
Input Low Voltage:	-0.5V to 0.8V
Input High Voltage:	2.0V
Output High Voltage Min:	2.4V
Output Low Voltage Max:	0.45V
Maximum Output Current:	2mA
<b>Optically Isolated Input Characteristics</b>	
Optically Isolated Inputs:	16, 32(depending on model number)
Frequency Response:	Up to 10 kHz (Computer and software dependent)
Logic Levels:	
0V to 3V:	Logic 0
3.1V to 24V	Logic 1
Isolation Voltage:	
2500Vrms	
Input Current:Continuous:	
30mA	
Peak:	
1A (Pulse 300rms, 2% Cycle)	
Max forward current [LED]:	
50mA	

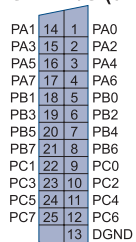
### Ordering Information

<b>BT-62-16</b>	Wireless 24 Channel DIO Unit with additional 16 Opto Isolated Digital Inputs - incl. Universal Switch Mode 9V PSU; USB Bluetooth Dongle & 2.4 GHz Antenna
<b>BT-62-32</b>	Wireless 24 Channel DIO Unit with additional 32 Opto Isolated Digital Inputs - incl. Universal Switch Mode 9V PSU; USB Bluetooth Dongle & 2.4 GHz Antenna



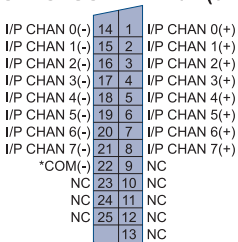
Wireless MicroDAQ

#### DIGITAL I/O (0-23)



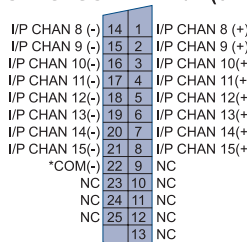
Front Lower DB25 Connector for 16 & 32 channel unit

#### OPTO-ISOLATED I/P (0-7)



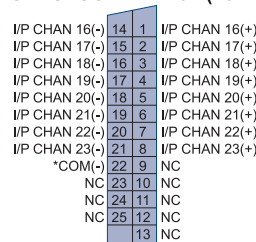
Front Upper DB25 Connector for 16 channel unit & Front Centre DB25 Connector for 32 channel unit  
\* Internally set by factory if specified!

#### OPTO-ISOLATED I/P (8-15)



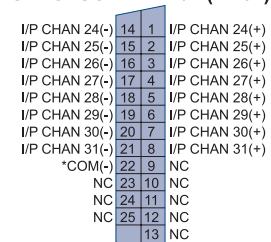
Rear Upper DB25 Connector for 16 channel unit & Rear Centre DB25 Connector for 32 channel unit  
\* Internally set by factory if specified!

#### OPTO-ISOLATED I/P (16-23)



Front Upper DB25 Connector for 32 channel unit  
\* Internally set by factory if specified!

#### OPTO-ISOLATED I/P (24-31)



Rear Upper DB25 Connector for 32 channel unit  
\* Internally set by factory if specified!