

Ideal for Desktop/Laptop use



BT-63-16



Specifications

Digital I/O (DIO)	
No. of TTL Lines:	24
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
Reed Relay Characteristics	
Number of channels:	16 or 32
Relay Contact Data	
Contact Form:	Form A (SPST)
Rated Power:	20W (max)
Switching Voltage:	200VDC (max) (DC or peak AC)
Switching Current:	1A (max) (DC or peak AC)
Carry Current:	1.25A (max) (DC or peak AC)
Contact Resistance:	0.15 Ohm (Static); 0.2 Ohm (Dynamic)
Breakdown Voltage:	320 VDC (min) (Across Contacts)
	4200 VDC (min) (Contact to Coil)
Switching Time:	0.5mS
Release Time:	0.1mS

DESCRIPTION

The MicroDAQ BT-63 is a Reed Relay Output and 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 Reed Relay Outputs (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.

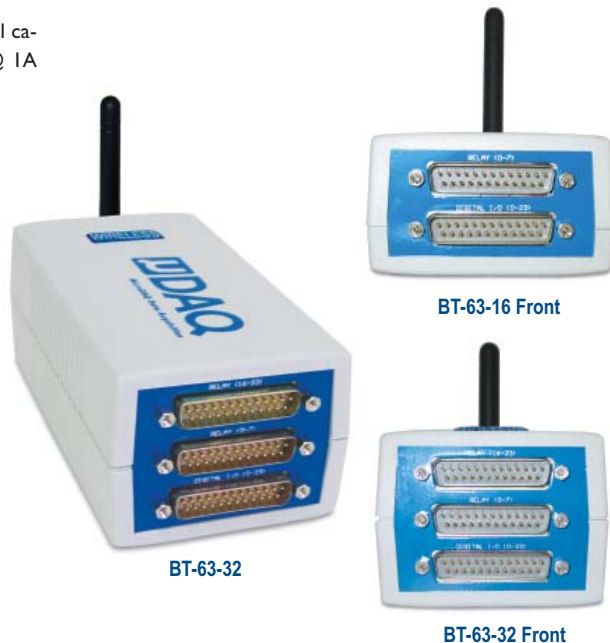
The BT-63 with its Reed Relay outputs eliminates the need for additional cables and Relay modules. The BT-63 is powered by a Regulated 9VDC @ 1A Universal Input PSU, which is supplied with the unit.

Ordering Information

Supplied with EDR Enhanced Software & Universal Switch Mode 9V PSU	
BT-63-16	Wireless 24 Channel DIO Unit with additional 16 Reed Relay Digital Outputs - incl. Universal Switch Mode 9V PSU; USB Bluetooth Dongle & 2.4 GHz Antenna
BT-63-32	Wireless 24 Channel DIO Unit with additional 32 Reed Relay Digital Outputs - incl. Universal Switch Mode 9V PSU; USB Bluetooth Dongle & 2.4 GHz Antenna

FEATURES

- Connects via Wireless connection
- 24 TTL Level DIO lines
- 16 or 32 Reed Relay Digital Outputs (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: 260mA (USB-63-16); 420mA (USB-63-32) 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-63-16) 45(H) x 80(W) x 148(L) mm (BT-63-32) 65(H) x 80(W) x 148(L) mm

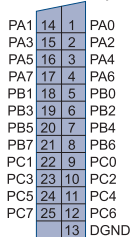


BT-63-16 Front

BT-63-32

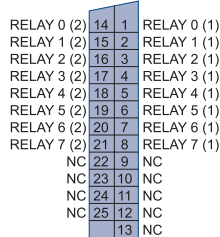
BT-63-32 Front

DIGITAL I/O (0-23)



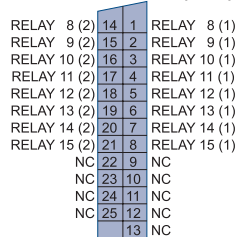
Front Lower DB25 Connector for 16 & 32 channel unit

REED RELAY O/P (0-7)



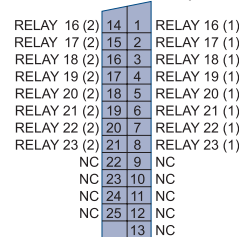
Front Upper DB25 Connector Unit for 16 Channel unit & Front Centre DB25 Connector for 32 channel unit

REED RELAY O/P (8-15)



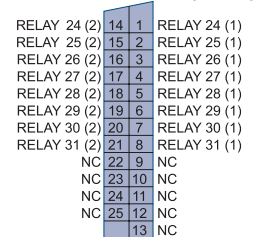
Rear Upper DB25 Connector for 16 channel unit & Rear Centre DB25 Connector for 32 channel unit

REED RELAY O/P (16-23)



Front Upper DB25 Connector for 32 channel unit

REED RELAY O/P (24-31)



Rear Upper DB25 Connector for 32 channel unit