



BL-830 / Default Value

BLUETOOTH 1xRS232 FEMALE DCE - CLASS

“SERIAL CARDS ENGINEERED TO EXCEED EXPECTATIONS”

RoHS Compliant

Description

Compact, Award winning Brainboxes RS232 Adaptor (female connector) allows any device with an RS232 port to communicate with another Bluetooth device without the need for any additional software. Ideal for Bluetooth enabling 'dumb' RS232 devices such as data loggers etc. with option to power from Pin 9. Based on fully tested Bluetooth silicon, allowing communications at the full Bluetooth data rates. Integral antenna.

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With Brainboxes industry renowned Lifetime Warranty and Lifetime Support!

Software

Microsoft signed drivers (easy installation & robust operation) for:

- Configuration Utility (for Windows)
- Remote Configuration Over Bluetooth Link
- Command line Configuration
- Bulletin Board Configuration



As well as: full product documentation, a thorough troubleshooting guide and terminal software. Detailed sample source code for many popular programming languages. Further OS support on next page.



Features

- Class 2.4 Bluetooth device
- Suitable for ANY device with serial port
- Handshaking \\puma\Marketing_Dept\Literature\Datasheets\Datasheet_Preparation\INDESIGN_FILES\images\Pinout\BL830Pinout.eps
- Range - Office: 723m Field:10m
Subject to local environment conditions
- Power on Pin 9
- Integral Antenna
- Upgradeable onboard flash memory for latest Bluetooth Features
- 4 ways to Configure
- Up to 1.0 Megabaud RS232

Options



BL-830:
BLUETOOTH 1xRS232
FEMALE DCE - CLASS 2

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Feature Value
Default Value

Yes



ORDER

Description	Code
BLUETOOTH 1xRS232 FEMALE DCE - CLASS 2	BL-830
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BLUETOOTH 1xRS232 FEMALE DCE - CLASS 2

BL-830: Full Specification

Bluetooth General	Bluetooth Qualification	1 Qualified
Bluetooth Radio	Class Of Device	Class 2.4
	Radio Frequency	-83
	Integral Antenna	1.1
	Receiver Sensitivity	> 0 dBm < +4 dBm
	Output Power	30
	Operating Distance (Typical) Metres*	Field: 10 Office: 723
Bluetooth Settings	Max Transfer rate (Kb/s)	Yes
	Configurable Local Device Name and Device Class	Enable/Disable/Link key expiry/2 proximity modes
	Pairing Options	Yes
	Client and Server Mode	Yes
	Configurable Discoverability, Security mode and PIN number	Yes
	PICONET & SCATTERNET capable	Yes
	PARK and SNIFF mode	Yes
	Factory Reset	921,600
Serial Port Settings	Baud Rate (KB/s)	8
	Data Bits	Odd, Even, None
	Parity	1 or 2
	Stop Bits	RTS/CTS, DTR/DSR
	Flow Control	\\puma\Marketing_Dept\Literature\Datasheets\Datasheet_Preparation\INDESIGN_
Bluetooth Security	Encryption	PIN: Select from list or enter custom (16 character limit)
	PIN Authentication	Low, Medium & High (Security Mode 1,2 & 3)
	Security Levels	External Power Device: 110mA @ 5V Or Power On Pin 9: 5V - 13.6 V
General	Power Source	Combined power and Bluetooth link LED
	LEDs	9 pin female
	Power Consumption	Depends on usage
	Weight	0.024
	Size WxDxH (mm)	35x75x20
	RS232 Connector	Feature Value
Interface	OS Compatibility	\\puma\Marketing_Dept\Literature\Datasheets\Datasheet_Preparation\INDESIGN_FILES\Images\
	Configuration	Windows Utility software or Remote/terminal Config
Approvals	Other Approvals	EMC: CEThe CE marking (also known as CE mark) is a mandatory conformity mark on many products placed on the single market in the European Economic Area (EEA).Official Qualified Bluetooth Device
Product Support	Warranty	3 Years
	Support	Lifetime Web, Email and Phone Support from fully qualified, friendly staff who work in and alongside the Product Development Team
		 
Additional	OEM option	Available for bulk buy OEM
	Made In	Manufactured in the UK by Brainboxes Winner 2005 European Electronics Industry Awards "Manufacturer of the Year"
	Customisable	Brainboxes operate a "Perfect Fit Custom Design" policy for volume users. More Info: sales@brainboxes.com
		