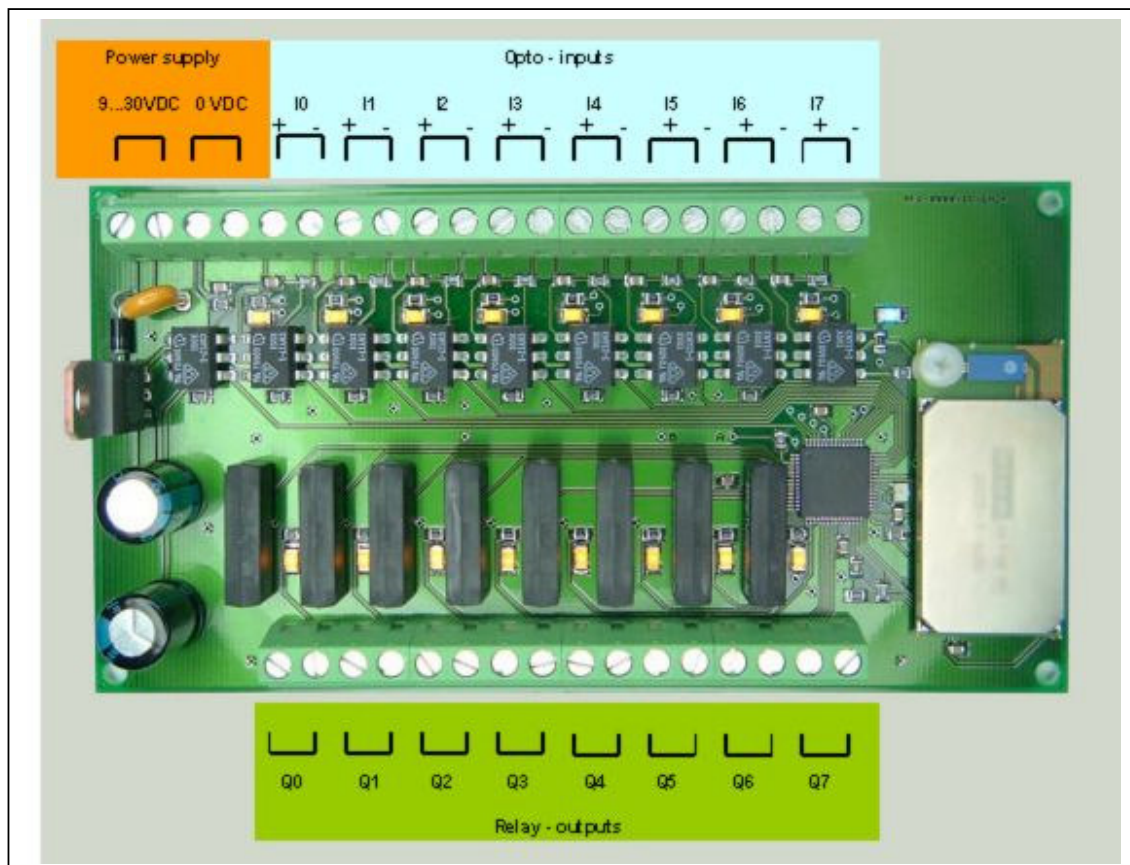


MFC 8800-DC/EM **IO-Board with Bluetooth - Interface** **Product brief**

Characteristics

The MFC 8800-DC/EM is an IO-board, that allows wireless connections from PC, PDA or mobile phone by means of an integrated bluetooth radio. Transmission ranges of up to 100m can be reached (line of sight). The board is designed for professional integration in industrial machinery, office- or household devices. DIN-rail housings are available, to use the MFC as a "stand-alone" controller. The board can be supplied by a 9V battery. This makes it also most suitable for hobby – applications like robotics or remote control for vehicles. IO-status and connection-state is monitored by LEDs. The LEDs may be switched off by software to save battery power. A time off -delay may be parameterized to switch off the outputs when connection to the board is lost.

Board view



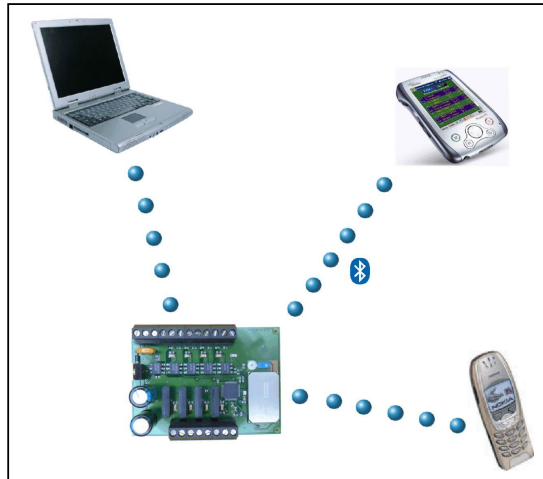
Ordering data

Type	Description
MFC 8800-DC/EM(*)	I/O-board, 8 opto-inputs, 8 relay-outputs

(*) Select desired input-voltage range: 5...12VDC or 13...24VDC (other ranges on request)

Connection

The board is addressed by means of a simple ASCII instruction-set, which can be employed with any common programming language. No specific bluetooth-programming knowledge is required. Messages between board and PC/PDA are exchanged in plain text. The bluetooth-connection is established over a so called *virtual com-port*. Programming of a virtual com port is identical to program a standard hardware serial interface. Visual-basic examples for PC and PDA are delivered on a CD together with the board. Your PC or PDA has to have a bluetooth interface in order to be able to connect with the board.



Technical data

Supply voltage	9 ... 30 VDC
Dimensions	138 x 72 mm
Inputs	8 Opto-inputs
Input voltage	2 ranges available 5...12 / 13...24VDC (other ranges on request)
Input current	10 mA
Outputs	8 Relay-outputs (Reed-relay)
Output voltage	125 VAC, 60 VDC,
Output current	max. 1 A (20W)
Bluetooth radio	Class 1
Transmission range	max. 100 m (line of sight)
Supported profile	Serial Port Profile (SPP)

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The content of this publication was carefully examined for agreement with the hardware and software described. Nevertheless, discrepancies cannot be ruled out. Any liability and warranty for the accuracy of this information is excluded.

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