

VERSION 1.0
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IOFIREBUG WAGON 80

TECHNICAL PRODUCT DESCRIPTION



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IOFireBug Wagon 80

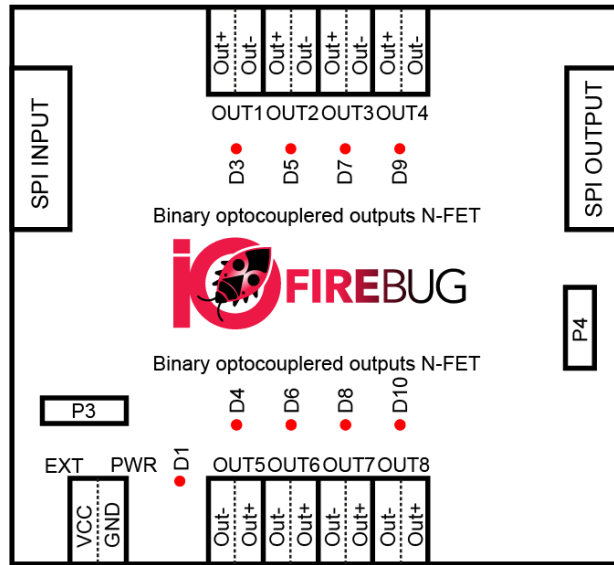
PRODUCT OVERVIEW

Expansion module WAGON 80 allows to connect additional 8 binary outputs to the main IOFireBug Engine board.

TECHNICAL DATA

Description	IOFirebug Engine expansion module
DO Specification	8x N-FET Binary output Max. switching power 50V / 3A No PWM function
Communication interface	SPI
Input voltage	Internal by SPI External power supply 10 – 30V DC
Consumption	50 mA / 12V
Dimensions	65 x 100 mm
Weight	20 g
Operation temperature	-20°C to 70°C
Protection	Reverse polarity

SCHEMATICS AND DESCRIPTION



SPI INPUT allows to connect with the IOFireBug Engine or with previous expansion module. SPI OUTPUT allows to connect following expansion module. Closed jumper P5 defines that current Wagon 16I is the last connected module in IOFireBug Engine configuration (in other words, there is no following expansion module connected to SPI OUTPUT).

LEDs are signaling state of each Binary output.

P3 jumper indicates, whether expander module is powered via SPI bus, or via external power supply (EXT_PWR). D1 LED indicates sufficient power delivery.

MOUNTING HOLES

