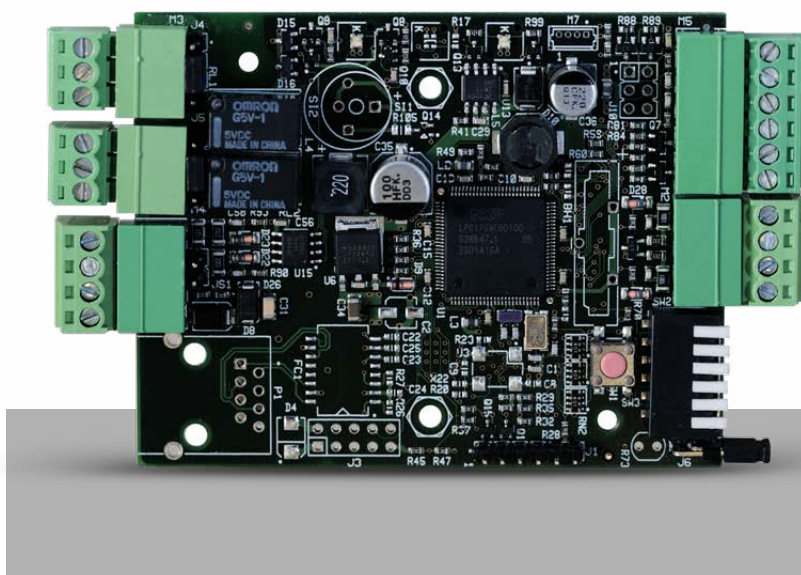


FD-WB02

I/O module and readers for Access Control
Can be connected to RS485 bus



FD-WB02 is a component of the Zucchetti AXESS modular security systems.

It provides 2 Relays, 2 Inputs and 2 ports for readers.

It is connected via RS485 bus with SPP protocol.

It can be managed directly by XAtlas or operate as a terminal or controller expansion module.

It enables readers and I/O to be remotely controlled where they are needed (next to the access point) and installed in a protected area.

The AXESS TMC terminals and controllers can expand connecting optional modules to the RS485 port: I/O boards, pinpads, readers (RFID, Biometric, Bluetooth...).

- Thanks to the expansion modules, a single device (terminal or controller) can manage multiple access points.
- Additionally, expansion modules can be placed where they are needed (I/O boards in non-vandalizable areas and readers next to the access point).

Main Features

FD-WB02 offers the following benefits:

- Versatile reader connection at the two available ports (Wiegand, TTL Serial and Ck&Data).
- Full control of a bi-directional gate with reader at both incoming and outgoing.

Table of compatibility with Zucchetti AXESS terminals

All Light version terminals, all X series terminals (except X1 and X2) and XIO, AX GATE and AX DOOR controllers can use FD-WB02 to expand their I/O to control complex access points or to remotely control relays in a secure area.

	SuperGLASS7 Light	SuperTRAX 10, 7 e 4 Light	X4 GLASS X4	X3 BIO X3	AX GATE AX DOOR	XIO iDorr iDoor+
FD-WB02	Max 8	Max 8	Max 8	Max 8	Max 8	Max 24
ACCESS POINTS	8	8	8	8	8	8

XAtlas

FD-WB02: field controller that provides the XAtlas system with 2 relays, 2 inputs, 2 reader interfaces (Wiegand, TTL/RS232 Serial or Clock&Data). Connected to RS485 bus.

XAtlas

FD-WB02 Connectable to RS485 port of FM, XIO, XPOINT

FD-WB02 AND XIO: THE PERFECT DUO

- 10 inputs: 8 on controller + 2 remotely controlled
- 6 relays: 4 on controller + 2 remotely controlled
- 2 reader ports Ck&Data, Wiegand, serial (TTL)

Up to 24 devices can be connected to the XIO port, for a total of: 56 inputs and 52 relays

TECHNICAL FEATURES

READERS	2 ports for reader with Led control. Accepts Clock&Data, serial (TTL) or Wiegand signals.
COMMUNICATION PORTS	RS485. SPP protocol – FD-WB02 is a slave module of an RS485 SPP network and must be connected to a master (terminals, controllers or field controllers under XAtlas).
INPUT/OUTPUT DEVICES	On removable screw terminal block - Inputs: 2 digital for ON/OFF sensors (e.g. door status and exit button). - Relays: 2 configurable as NO or NC – 1A @30VDC.
POWER SUPPLY	9-20 Vdc, 50mA@12 Vdc with no readers – Max 400mA@12Vdc with 2 connected readers.
INTERFACE	Through RS485 bus. FD-WB02 is a strictly online SPP slave.
PHYSICAL CHARACTERISTICS	69x105x12 mm (LxHxW) – Operating temperature from -10 to +50°C.
TECHNICAL SPECIFICATIONS	RELAYS: 2 Relays, configurable as NO or NC – max 1A. INPUTS: 2 ON/OFF Inputs. READERS: 2 connectors (with led control and buzzer). READER INTERFACE: Ck&Data, Wiegand, Serial (TTL). TAMPER: 1 Input+optical. DIN RAIL ENCLOSURE: Not available.