



IQBOX
UHF-RFID Reader 4CH

iDTRONIC GmbH
Ludwig-Reichling-Straße 4
67059 Ludwigshafen
Germany/Deutschland

Phone: +49 621 6690094-0
Fax: +49 621 6690094-9
E-Mail: info@idtronic.de
Web: idtronic.de

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1 Introduction

1.1 Reference Documents

Ethernet Communication Protocol:

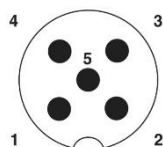
IQBoxx_UHF_Communication Protocol_EN_x.y.pdf

Software Library Description:

IQBoxx_UHF_ReaderLibrary_EN_x.y.pdf

2 Pinout

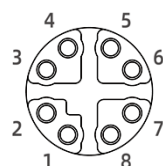
2.1 Power Supply



M12 A-coded 5 pin male connector

Pin	Signal	Description	Color
1	PE	Protective Earth	Brown
2	+PWR	10...27 Vdc	White
3	−PWR	GND	Blue
4			Black
5			Grey

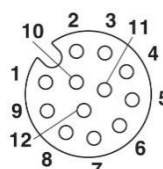
2.2 Ethernet



M12 X-coded 8 pin female connector

Pin	Signal	Description	Pin on RJ45	Color
1	D1+		1	White/Orange
2	D1−		2	Orange
3	D2+		3	White/Blue
4	D2−		6	Blue
5	D4+		7	White/Green
6	D4−		8	Green
7	D3+		5	White/Brown
8	D3−		4	Brown

2.3 GPIO



M12 A-coded 12 pin female connector

Pin	Signal	Description	Pairs
1	OUT2 NO	Relay 2 NO contact connection	2
2	IN2	Input 2 connection	
3	IN1	Input 1 connection	
4	−PWR	GND	
5	−PWR	GND	
6	OUT4 NO	Relay 4 NO contact connection	4

7	OUT4 COM	Relay 4 COM contact connection	4
8	OUT3 NO	Relay 3 NO contact connection	3
9	OUT3 COM	Relay 3 COM contact connection	3
10	OUT1 NO	Relay 1 NO contact connection	1
11	OUT1 COM	Relay 1 COM contact connection	1
12	OUT2 COM	Relay 2 COM contact connection	2