

Quick Guide - Edge-60R V2

Rev.1

For more detailed information, please consult the Edge-60R V2 User Guide

AcuraGlobal[®]
The Identification Company

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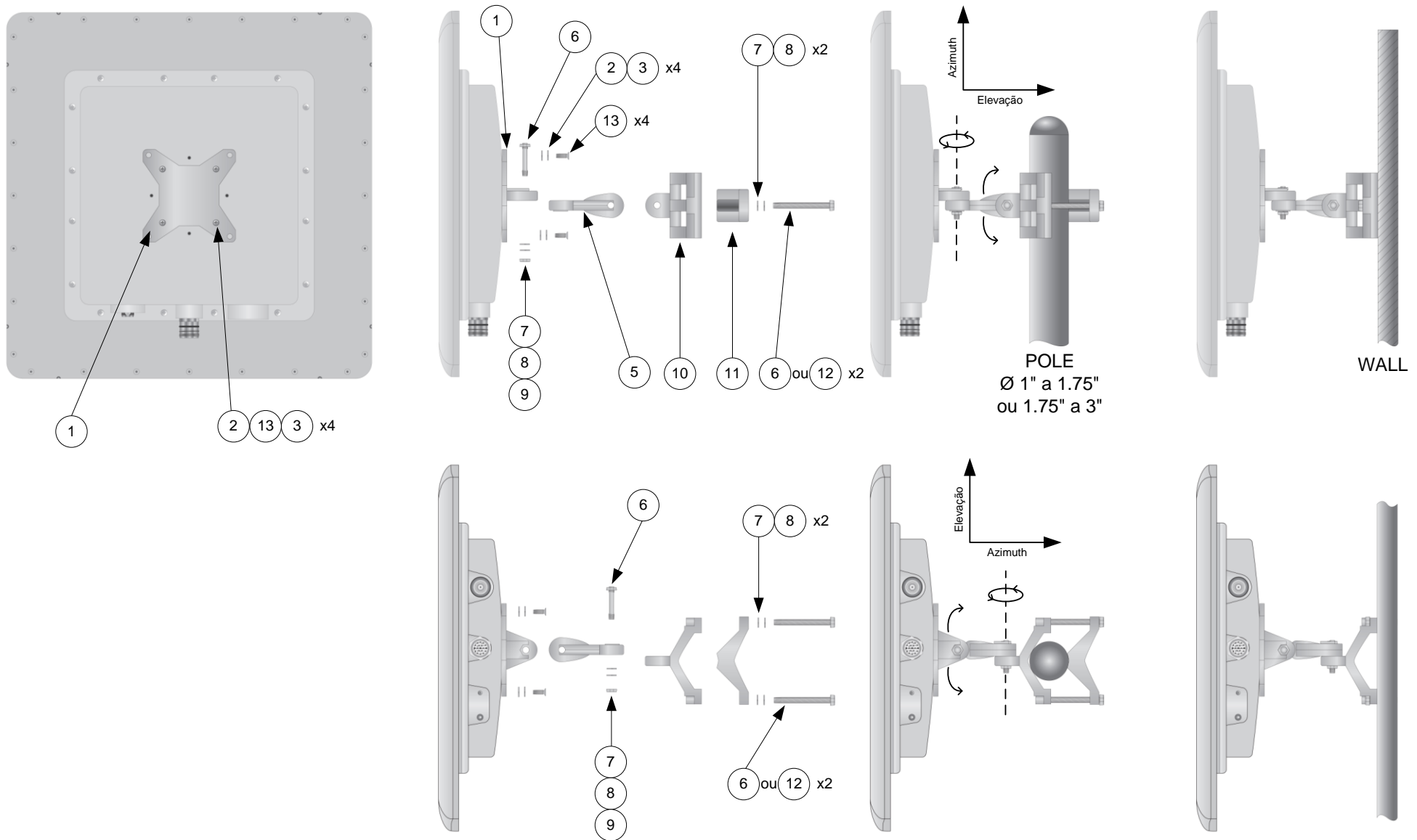
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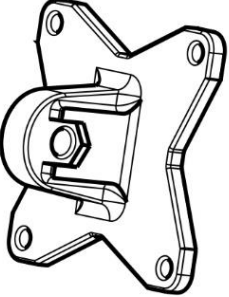


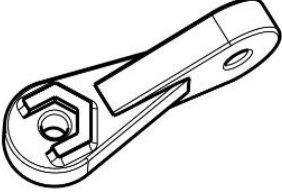


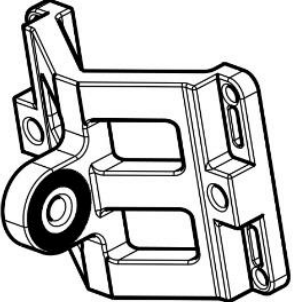


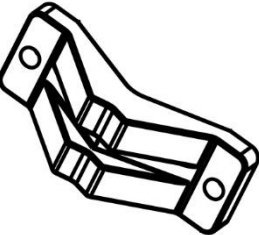


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Table of contents

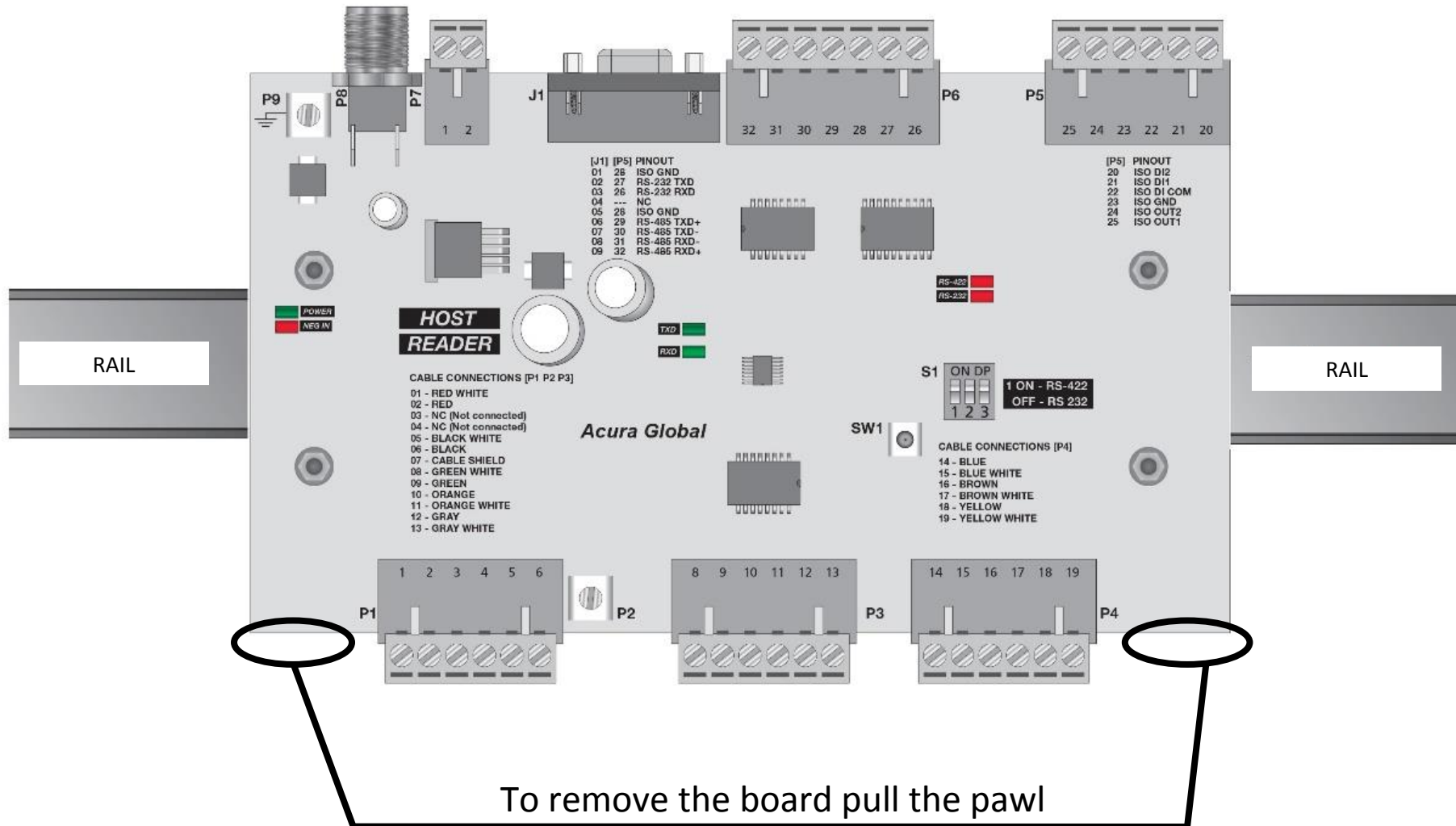
1. Edge-60R V2 Reader mechanical installation	4
2. PCI Interface board mechanical installation	6
3. Electrical installation - Connections Diagram	7
4. External antenna connection	8
5. Reader's industrial M23 connector	9
6. PCI Interface board electrical connections	10
6.1 Connection with Edge-60R V2 reader	11
6.2 Connection with PC	12
7. Default settings	13

1. Edge-60R V2 Reader mechanical installation



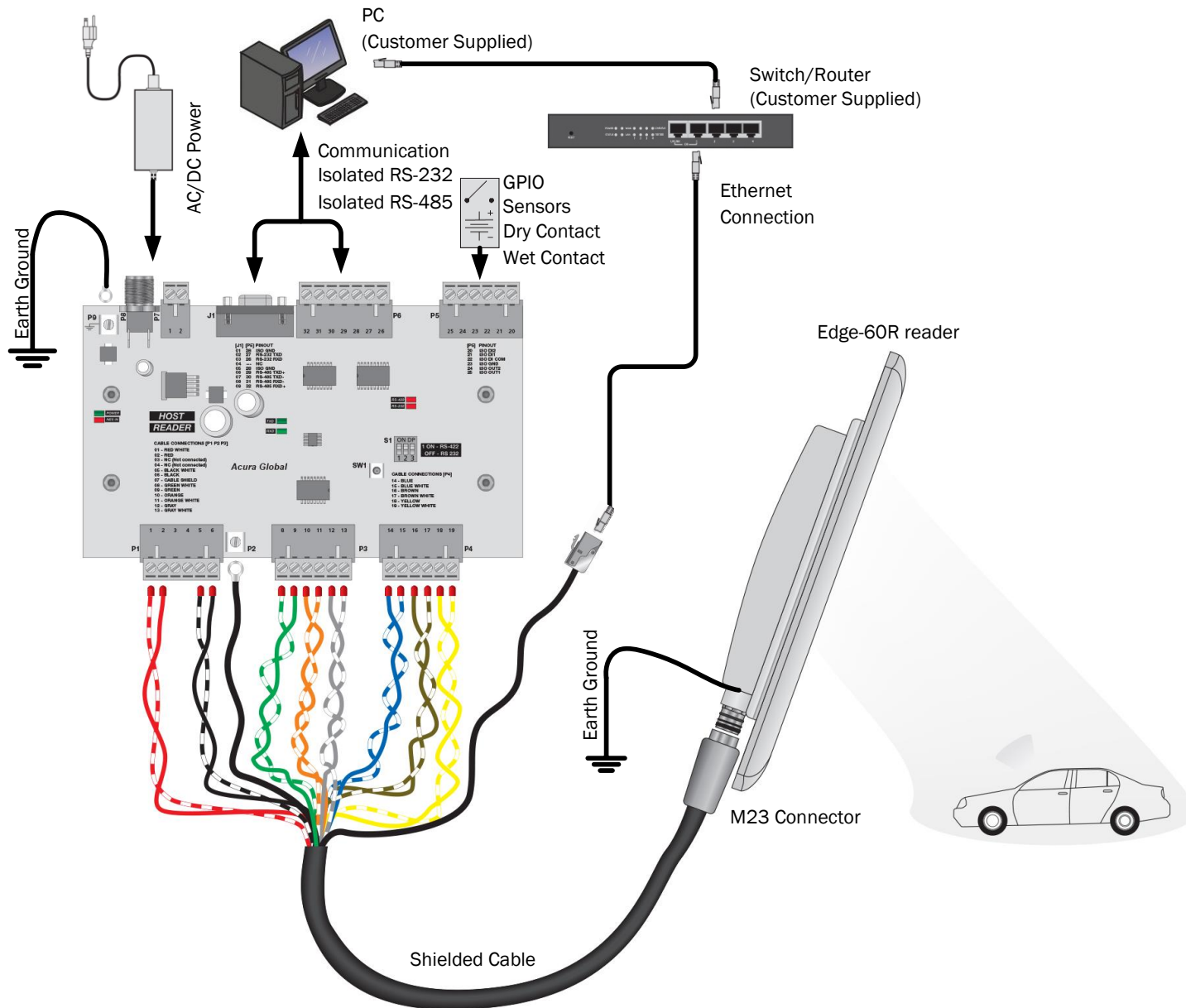
<p>Item: 1- Enclosure base bracket Qt: 1</p> 	<p>Item: 2- Flat Washer M5 Qt: 4</p> 	<p>Item: 4-Nut M5 Qt: 4</p> 	<p>Item: 5- Arm bracket Qt: 1</p> 
<p>Item: 6-Bolt M8x40 Qt: 4</p> 	<p>Item: 8- Spring Washer M8 Qt: 4</p> 	<p>Item: 10- Wall/Pole bracket Qt: 1</p> 	
<p>Item: 7- Flat Washer M8 Qt: 4</p> 	<p>Item: 9-Nut M8 Qt: 2</p> 		
<p>Item: 11- Clamping bracket Qt: 1</p> 	<p>Item: 12-Bolt M8x70 Qt: 2</p> 	<p>Item: 13 - Bolt M5x16 Qt: 4</p> 	

2. PCI Interface board mechanical installation

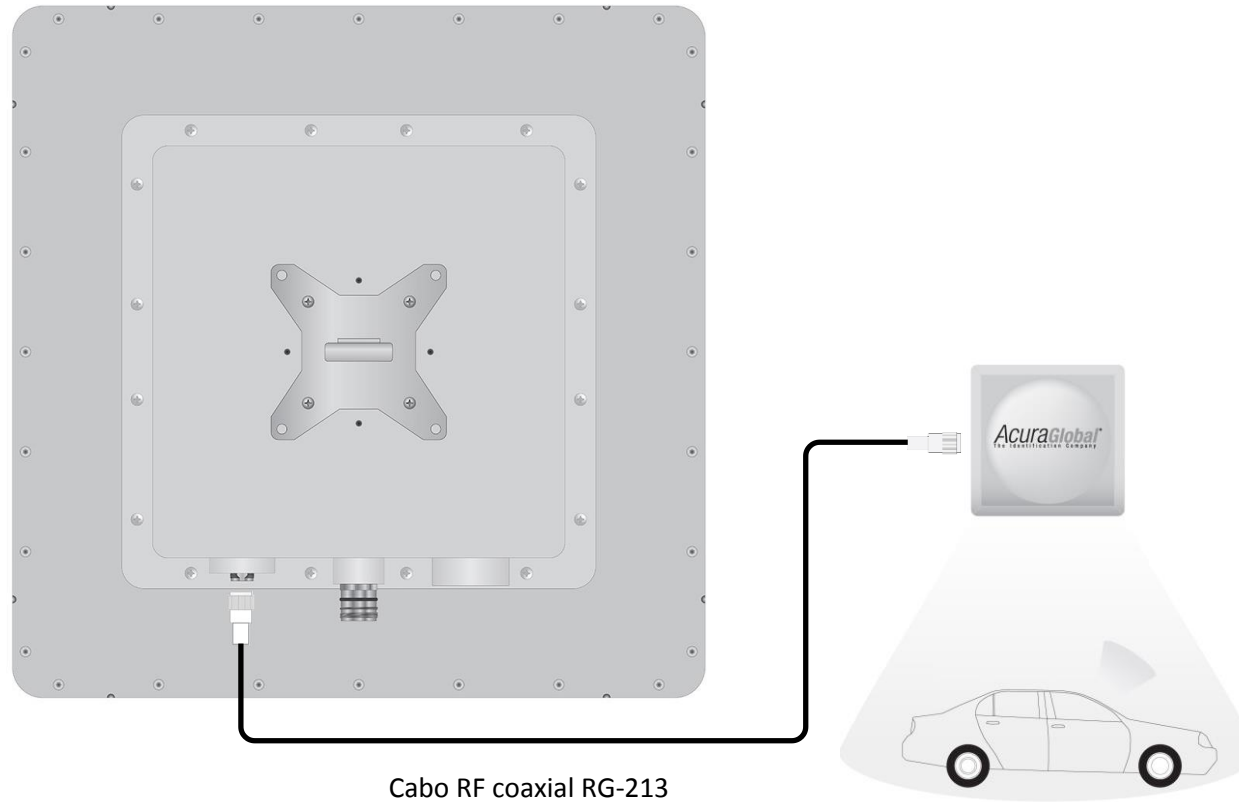


ATTENTION: The electronic components of the board are susceptible to Electrostatic Discharge (ESD) and can be damage in case of direct hand contact. Please handle the board by its edges. Avoid direct hand contact with the electronic components.

3. Electrical installation - Connections Diagram



4. External antenna connection

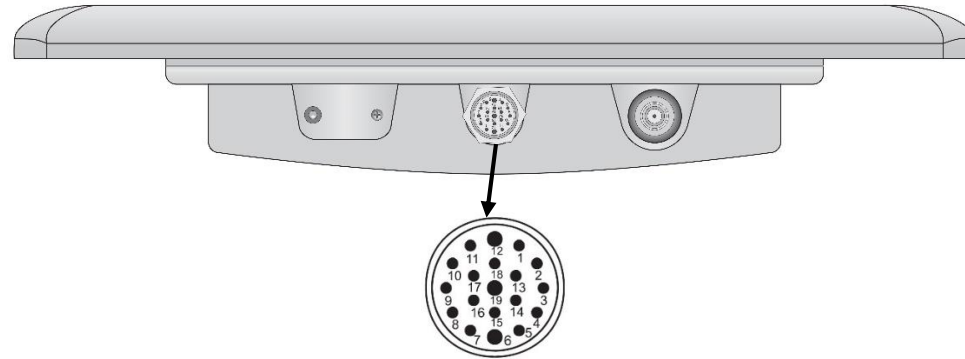


ATTENTION: Edge-60R V2 antenna ports may be susceptible to damage from static discharge or other high voltage. Use proper Electrostatic Discharge (ESD) precautions to avoid static discharge when handling or making connections to the Edge-60R V2 reader antenna or communication ports. Equipment failure can result if the antenna or communication ports are subjected to ESD.



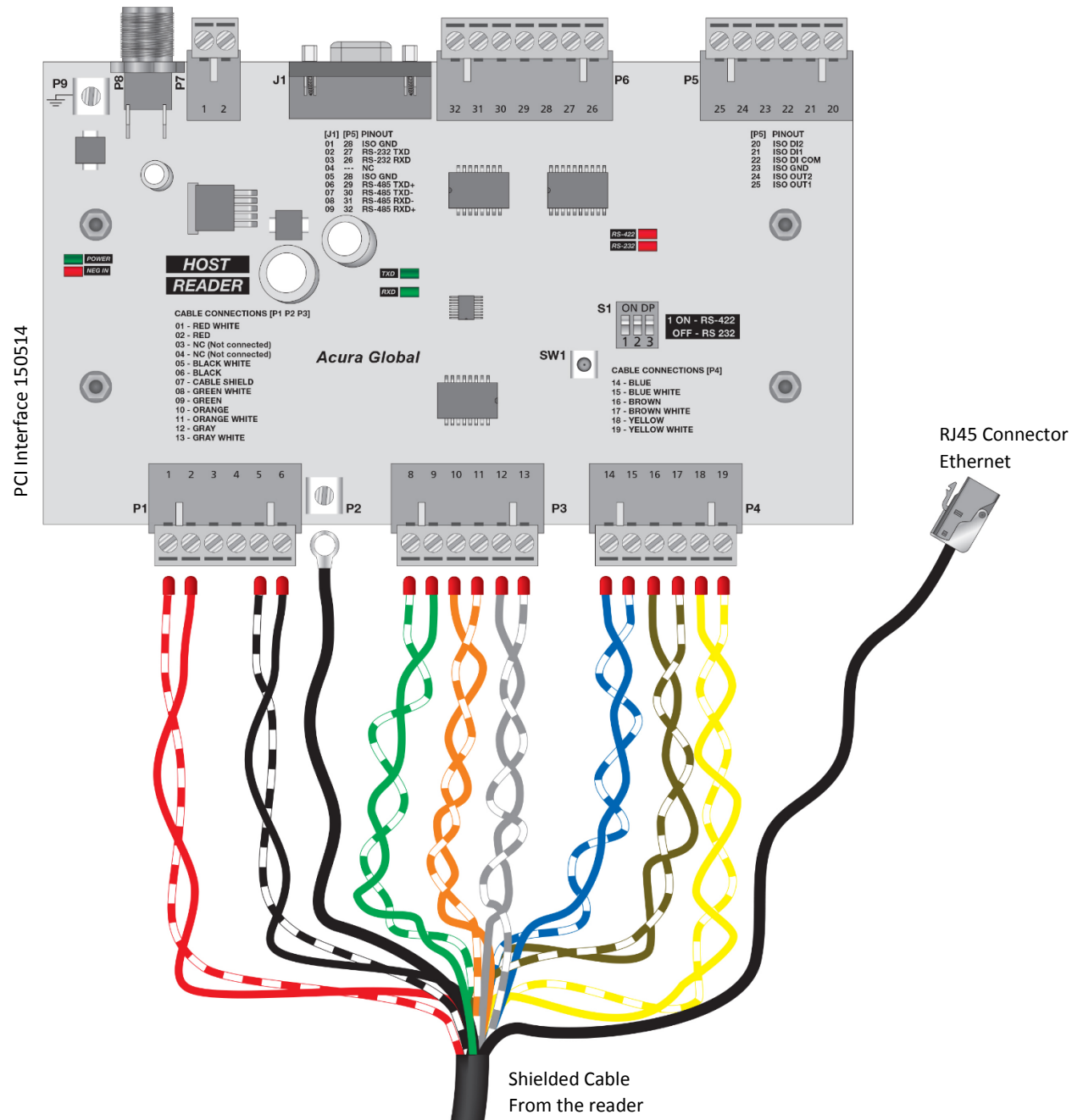
WARNING: To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) do not exceed 36dBm and is not more that required for successful communication.

5. Reader's industrial M23 connector



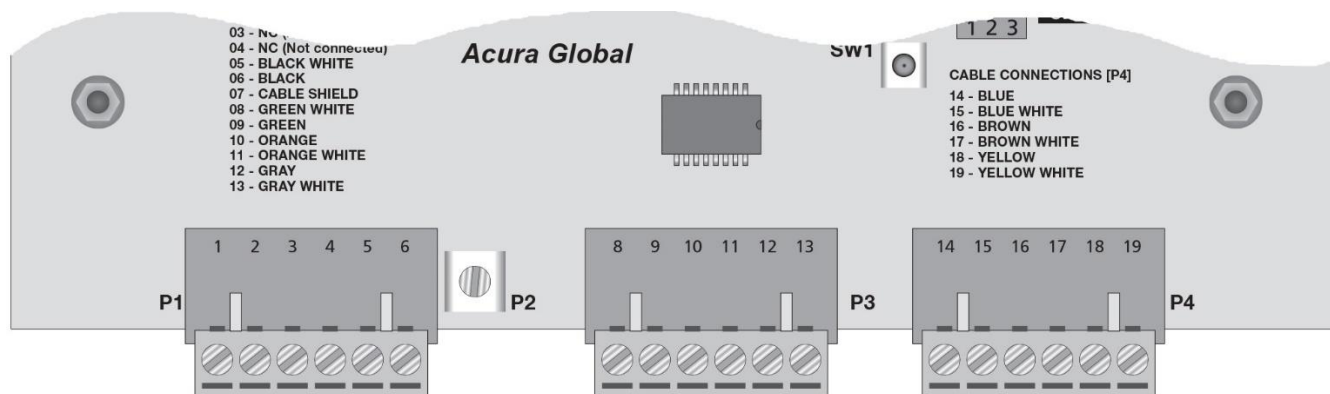
Pare	M23 connector Pin	Shielded cable colors	Function	Description
1	1	Orange White (RXD+ Interface)	ISO_TXD+ RS485	Isolated RS-485
	2	Orange (RXD- Interface)	ISO_TXD- RS485	
2	3	Green (TXD- Interface)	ISO_RXD- RS485	
	4	Green White (TXD+ Interface)	ISO_RXD+ RS485	
3	5	Grey	ISO GND RS485	
4	6	Black	GND	Reader Power
3	7	Grey White	Reset	Reader Reset
5	8	Orange (OR/WH UTP)	RJ pino6 RX-	Ethernet
	9	White (OR/WH UTP)	RJ pino3 RX+	
6	10	Green (GR/LGR UTP)	RJ pino2 TX-	
	11	Light Green (GR/LGR UTP)	RJ pino1 TX+	
4	12	Black White	GND	Reader Power
7	13	Blue	ISO_OUT1	GPIO (Inputs and Outputs)
	14	Blue White	ISO_OUT2	
8	15	Yellow	ISO_DI1	
	16	Yellow White	ISO_DI2	
9	17	Brown White	ISO_DI_COM	
	18	Brown	ISO_GND GPIO	
10	19	Red	VCC	Reader Power
	19	Red White	VCC	Reader Power

6. PCI Interface board electrical connections



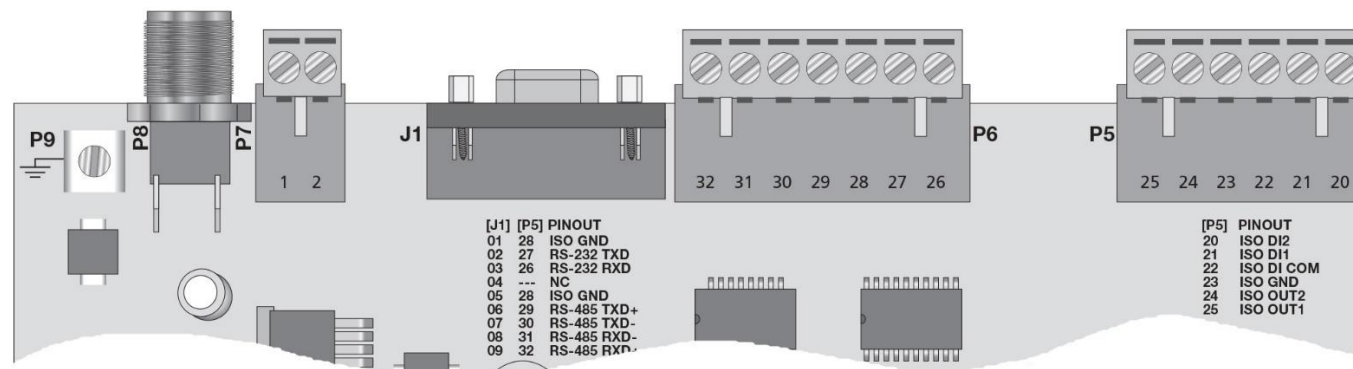
6.1 Connection with Edge-60R V2 reader

PCI Connector	PCI Connector Pin	Shielded Cable Color	Function	Description
P1	1	Red White	+24VCC	Reader Power
	2	Red	+24VCC	
	3	NC (No Connection)	--	
	4	NC (No Connection)	--	
	5	Black White	GND	
	6	Black	GND	
P2	---	Cable Shield	Shield GND	Cable Shield
P3	8	Green White	ISO_TXD+	Isolated RS-485
	9	Green	ISO_TXD-	
	10	Orange	ISO_RXD-	
	11	Orange White	ISO_RXD+	
	12	Grey	ISO GND RS485	Reader Reset
	13	Grey White	Reset	
P4	14	Blue	ISO_OUT1	GPIO (Inputs and Outputs)
	15	Blue White	ISO_OUT2	
	16	Brown	ISO_GND GPIO	
	17	Brown White	ISO_DI_COM	
	18	Yellow	ISO_DI1	
	19	Yellow White	ISO_DI2	



6.2 Connection with PC

PCI Connector	PCI Connector Pin	Function	Description
P5	20	ISO_DI2	GPIOs
	21	ISO_DI1	
	22	ISO_DI_COM	
	23	ISO_GND GPIO	
	24	ISO_OUT2	
	25	ISO_OUT1	
J1 / P6	1 / 28	ISO_GND SERIAL	Isolated communications RS-232 and RS-485
	2 / 27	ISO_RS-232 TXD	
	3 / 26	ISO_RS-232 RXD	
	4 / ---	NC	
	5 / 28	ISO_GND SERIAL	
	6 / 29	ISO_RS-485 TXD+	
	7 / 30	ISO_RS-485 TXD-	
	8 / 31	ISO_RS-485 RXD-	
	9 / 32	ISO_RS-485 RXD+	
P7	1	GND	Power
	2	+24VCC	
P8	Pino central	+24VCC	Power
	Rosca	GND	
P9	--	Terra	Earth connection



7. Default settings

Following are the default settings of the reader. You can return the reader to default settings by performing a hard reset.

Login password

[No password, empty]

IP address

[10.0.0.101]

Subnet mask

[255.255.255.0]

Gateway address

[10.0.0.1]

Communication interface

[Serial]

Notes: