

Description of communication interfaces

AZRS – 2 / 3

The AZRS-2/3 device has a number of connectors located on the front and the side panel. On the front there is an serial RS 232 port (standard D-SUB 9 connector), while on the side panel there are connectors: optical, serial and Ethernet (Fig. 1.1).

Communication connectors placed on the device front panel:

Name	Description
Serial port	RS 232 serial port

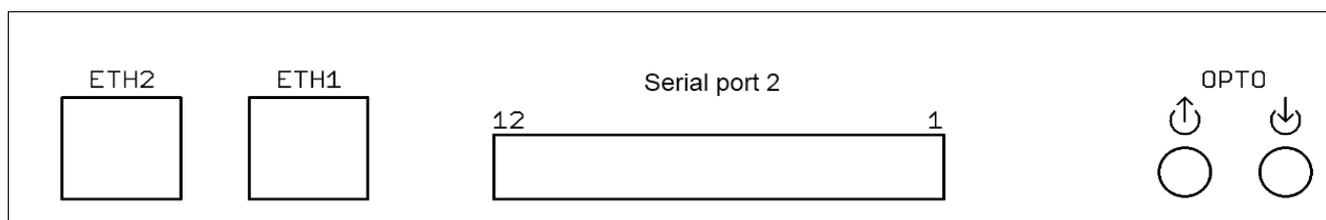


Fig. 1.1. View of communication connectors on the device side panel

Communication connectors placed on the device side panel (close to output connectors):

Name	Description
Serial port 2	RS 232 / RS 485 / OPTO serial port
ETH1	Ethernet connector 1
ETH2	Ethernet connector 2 (inactive)

“Serial port 2” connector pin-out:

Pin no.	Function
1	SET
2	RS 232
3	RS 485
4	OPTO
5	RS 232 GND
6	RS 232 RxD
7	RS 232 TxD
8	RS 485 GND
9	RS 485 Tx+
10	RS 485 Tx-
11	RS 485 Rx-
12	RS 485 Rx+

The choice between serial interfaces RS 232, RS 485, OPTO is done by connecting pin 1 (SET) of the "Serial Port 2" connector with pin 2 (RS-232), 3 (RS-485) or 4 (OPTO).

Available communication protocols:

Protocol name	Available on connectors
Modbus	Serial port (on the device front panel) – RS 232 Serial port 2 (on the device side panel) – RS 232, RS 485, OPTO
IEC 60870-5-103	Serial port 2 (on the device side panel) – RS 232, RS 485, OPTO
IEC 61850	ETH1 (on the device side panel) – Ethernet connector 1