

HOW TO USE DOUBLE PORT MODE WITH MI400E-RD-2

The double port mode is only available with the Mi400e-RD-2 reference.

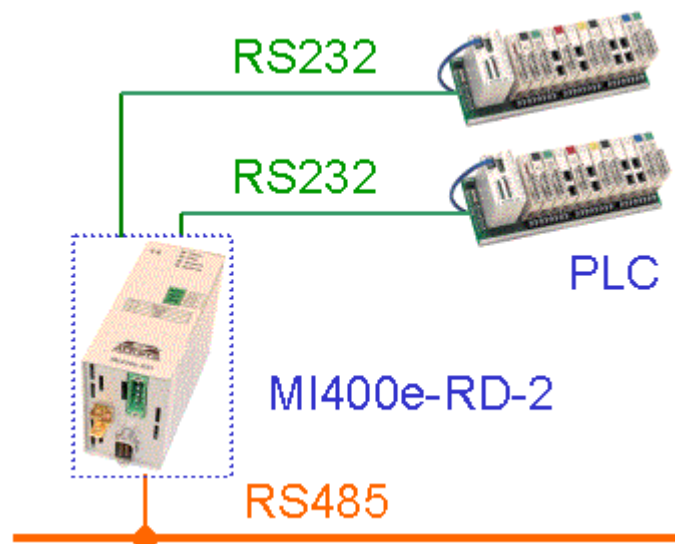
Mi400e-RD-2 is only a specific packaging with the following items :

- Mi400e-RD product
- RS232 Y cable
- Configuration jumper

The double port function enables to connect two RS232 devices to a single MI400e-RD converter.

All data transmitted on the RS485 bus are simultaneously transmitted on the two RS232 devices (named as PLC in the illustration below).

Data received from the two RS232 devices (one at the same time) are converted on the RS485 port. Obviously, the protocol must warrant that the RS232 devices can't send data simultaneously.



The double port mode function, when activated through the external jumper (located to the opposite side of the power connector), modifies the SUBD 9 pinout according to the following table :

Mi400e-RD in double port mode		
Mi400e-RD DB 9 male pinout		
1	RxD2	RxData port #2
2	RxD1	RxData port #1
3	TxD1 & TxD2	TxData ports #1 & #2
4	DTR1 & DTR2	DTR ports #1 & #2
5	GND	
6	DSR1	DSR port #1
7	RTS1 & RTS2	RTS ports #1 & #2
8	CTS1	CTS port #1
9	CTS2	CTS port #2

Mi400e-RD in normal mode		
Mi400e-RD DB 9 male pinout		
1	DCD1	DCD
2	RxD1	RxData
3	TxD1	TxData
4	DTR1	DTR
5	GND1	GROUND
6	DSR1	DSR
7	RTS1	RTS
8	CTS1	CTS
9	RI1	RI

Pinout of the two SUB D9 of the Y cable

pinout of the port #1 of the Y cable		
1	NC	Not connected
2	RxD1	RxData
3	TxD1	TxData
4	DTR1	DTR
5	GND	GROUND
6	DSR1	DSR
7	RTS1	RTS
8	CTS1	CTS
9	NC	Not connected

pinout of the port #2 of the Y cable		
1	NC	Not connected
2	RxD2	RxData
3	TxD2	TxData
4	DTR2	DTR
5	GND	GROUND
6	NC	Not connected
7	RTS2	RTS
8	CTS2	CTS
9	NC	Not connected

Jumper configuration

