

15.7 IF622

15.7.1 General Information

The IF622 interface module can be operated e.g. in an interface module slot on the CP260 or in the IF260 / IF060.

The module is equipped with an RS232 interface and two RS485/RS422 interfaces.

15.7.2 Order Data

Model Number	Short Description	Image
	Interface Module	
3IF622.9	2005 interface module, 1 RS232 interface, 2 RS485/RS422 interfaces: Electrically isolated, network capable, CPU and IF-module insert	
	Accessories	
0G0001.00-090	Cable PC <-> PLC/PW, RS232, online cable	
0AC916.9	Bus termination, RS485, active, for PROFIBUS networks, remote I/O, standard mounting rail installation, supply voltage: 120 / 230 VAC	
Additional accessories see sections "Accessories" and "Manuals".		

Table 334: IF622 order data

15.7.3 Technical Data

Product ID	IF622
General Information	
C-UL-US Listed	Yes
Slot	Insert e.g. in CP260, IF260, IF060
Interfaces	1 x RS232 2 x RS485/RS422
Power Consumption	
5 V	Max. 1.8 W
24 V	---
Total	Max. 1.8 W
Application Interface IF1	
Type	RS232
Controller	UART Type ST16C654
FIFO	64 bytes in send and receive direction
Design	9-pin DSUB plug
Electrical Isolation	No
Input Filter / Protective Circuit	Yes
Maximum Distance	15 m / 19200 Baud
Maximum Baud Rate	115.2 kBaud
Handshake Lines	DTR, DSR, RTS, CTS
Network Capable	No
Data Formats	
Data Bits	5 to 8
Parity	Yes / No / Even / Odd
Stop Bits	1 / 2
Application Interfaces IF2 and IF3	
Type	RS485/RS422
Controller	UART Type ST16C654
FIFO	64 bytes in send and receive direction
Design	9-pin DSUB socket
Electrical Isolation	Yes
Input Filter / Protective Circuit	Yes
Maximum Distance	1,200 m
Maximum Baud Rate	115.2 kBaud
Network Capable	Yes
Connection	Via active RS485 bus termination (model number 0AC916.9)
Bus Termination Resistor	External, integrated in active RS485 bus termination

Table 335: IF622 technical data

15.7.4 Operational and Connection Elements

Status LEDs via the interfaces indicate whether data is being received (RXD) or sent (TXD).

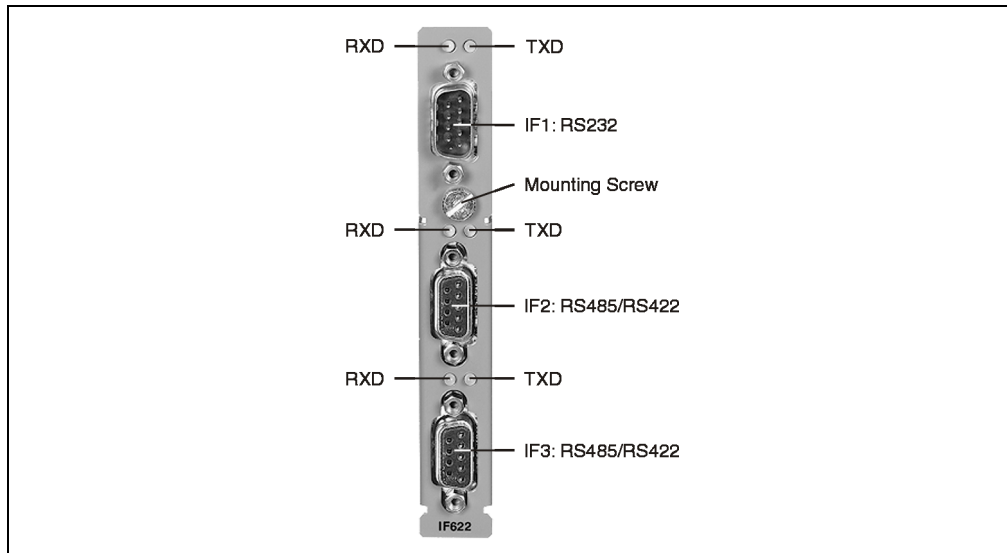


Figure 186: IF622 operational and connection elements

15.7.5 RS232 Interface (IF1)

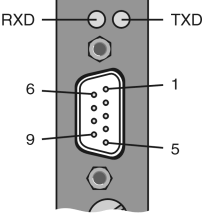
Interface	Description	Pin Assignments		
Application Interface RS232  9-pin DSUB plug	The standard RS232 interface is not electrically isolated. LEDs show on the interface whether data is being received (RXD) or sent (TXD). The shield is connected to the DSUB connectors housing. Max. Baud Rate: 115.2 kBaud Max. Cable Length: 15 m	Pin	RS232	
		1	NC	
		2	RXD	Receive Signal
		3	TXD	Transmit Signal
		4	DTR	Data Terminal Ready
		5	GND	Ground
		6	DSR	Data Set Ready
		7	RTS	Request To Send
		8	CTS	Clear To Send
		9	NC	

Table 336: IF622 RS232 Interface (IF1)

15.7.6 RS485/RS422 Interface (IF2 and IF3)

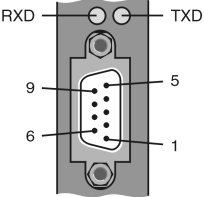
Interface	Description	Pin Assignments		
Application interface RS485/RS422  9-pin DSUB socket	The RS485/RS422 interface is electrically isolated. LEDs above the interface indicate whether data is being received (RXD) or sent (TXD). The shield is connected to the DSUB socket's housing. Max. Baud Rate: 115.2 kBaud Max. Cable Length: 1,200 m	Pin	RS485	RS422
		1	NC	NC
		2	res.	TXD ¹⁾
		3	DATA	RXD
		4	NC	NC
		5	GND	GND
		6	+5 V / 50 mA	+5 V / 50 mA
		7	res.	TXD\ ¹⁾
		8	DATA\	RXD\
		9	NC	NC

Table 337: IF622 RS485/RS422 interface (IF2 and IF3)

1) RS422 send data is TRISTATE capable