

1.1 IF791

1.1.1 General Information

The IF791 interface module is an aPCI module and can be installed in all corresponding interface module slots (e. g. in the CP360).

The IF791 is equipped with an X2X Link Master interface.

1.1.2 Order Data

Model Number	Short Description	Image
	Interface Module	
3IF791.9	aPCI interface module, 1 X2X Link master interface, electrically isolated. Order 1 x TB704 terminal block separately.	
	Required Accessory	
0TB704.9	Accessory terminal block, 4-pin, screw clamp, 1.5 mm²	
0TB704.91	Accessory terminal block, 4-pin, cage clamps, 2.5 mm²	

Table 1: IF791 order data

1.1.3 Technical Data

Product ID	IF791
Short Description	
Communication Module	1 x X2X Link master
interfaces	
Interface IF1 Type Design	X2X Link Master 4-pin multipoint connector
General Information	
Status Display	Data transmission and status of IF1
Diagnostics Data Transfer	Yes, with status LED
Electrical Isolation PLC - IF1	Yes
Power Input 3.3 V 5 V Total	0.43 W 0.76 W 1.19 W
Certification	CE, GOST-R
Mechanical Characteristics	
Slot	Insert e.g. in CP360
Protection	IP20
Operating/Storage Temperature	0 °C to +60 °C / -25 °C to +70 °C
Humidity	5 to 95% (non-condensing)
Note	Order 1 x TB704 terminal block separately

Table 2: IF791 technical data

1.1.4 Additional Technical Data

Product ID	IF791
IF1 Interface, X2X Link Master	
Number of Stations	Max. 253
Distance between two stations	Max. 100 m
Network Topology	Line
Internal Bus Supply	No
Bus Termination Resistor	Internal

Table 3: IF791 additional technical data

1.1.5 Operational and Connection Elements

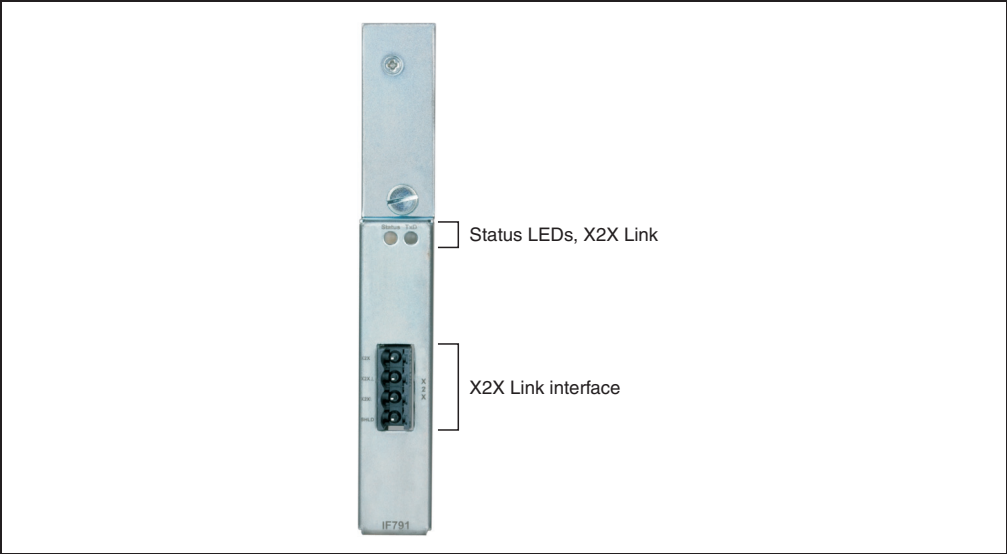


Figure 1: IF791 operational and connection elements

1.1.6 Status Display

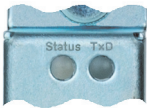
Image	LED	Color	Description
	X2X Link		
	Status	Orange	The module has booted correctly.
	TxD	Orange	The module sends data via the X2X Link interface.
	TxD ... Transmit Data		

Table 4: IF791 status display X2X Link interface

1.1.7 X2X Link Interface (IF1)

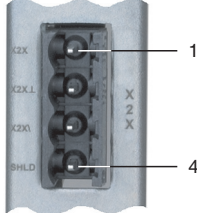
Interface	Description	Pin Assignments	
		Terminal	X2X Link
Application Interface X2X Link  4-pin multipoint connector	The X2X Link is a 4-pin multipoint connector is electrically isolated. The TxD LED using an interface displays if data has been sent.	1	X2X
		2	X2X.L
		3	X2X\
		4	SHLD
			Shield

Table 5: IF791 X2X Link interface (IF1)

1.1.8 Firmware

SG3

The IF791 module is not supported.

SG4

The firmware is a component of the PLC operating system of B&R Automation Runtime™. It is loaded to the IF791 module during every restart.