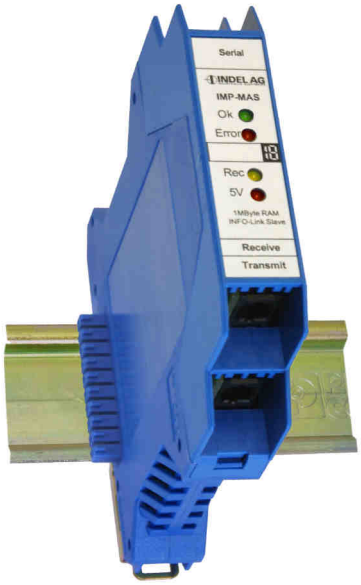
IMP RISC Master

IMP-MAS



IMP Indel Modular Periphery, the multifunctional high-speed small controller for universal applications: Special machines, heating / ventilation / air-conditioning controllers, building automation, test and measurement engineering, stepper motor controller, axis controller, process engineering, etc. Can be networked with PC, remote maintenance via modem or Internet, operation with LCD or touch-screen, axis handling, redundant and decentralized intelligence in the INFO-Link, CE-conform.

Technical data	IMP-MAS 99280
Operating system	Multitasking, real time
Local bus	32-Bit, 33MHz
Axes Controller	8 Steppermotor-, Servo-Axes
CPU	PowerPC 403BG, 66MHz
Memory	0.5MByte Flash-PROM
	256kByte SRAM (1MByte)
Interfaces	RS232; max. 115.2kBaud
	INFO-Link
	for debugging, operator panel
Periphery	max. 32 users
Current input	250mA@24V board supply
Service temperature	0 ... +45 °C
Storage temperature	-20 ... 70 °C
Relative humidity	95%, no condensation
EMC	EN 50081-2 / EN 50082-2
Enclosure	IP 20
Dimensions	HxDxW = 114.5x99x17.5

Remark: Pin 6 Connector X1 must be high, if not the SIO communication doesn't start!

To start the IMP Master in the emergency system, you must plug a short-circuit connector onto the serial interface. In the emergency system, Flash-PROM burning and INFO-Link communication is supported.

Connections:	Signals	Pin
	RxD, TxD	2, 3
	DSR, DTR	6, 4

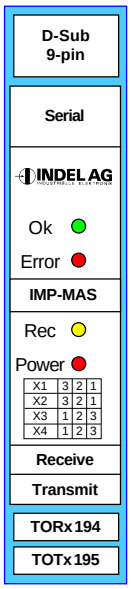
After the Master has been started, you can remove the short-circuit connector and replug the serial cable of the PC.

You will find additional notes on installation in the Indel design guidelines and in the Indel wiring guidelines. Connection examples see INFO-SIO.

Rev. 0704

IMP Master

Connection example



Connector X1

Connector X3
Connector X4

Pinout X1		I/O
Pin 1	NC	
Pin 2	RxD	In
Pin 3	TxD	Out
Pin 4	DTR	Out
Pin 5	Gnd	Out
Pin 6	DSR	In
Pin 7	V+	Out
Pin 8	NC	
Pin 9	NC	
Shielding is done via the housing		

Order No. IMP-MAS 99280

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