IMP Passiv Master

IMP-MASp

Up to 32 IMP-I/O Modules can be connected to the passive IMP-Master.

The passive Master represents the IMP-I/O Modules as INFO-16P cards in the INFO-Link on address 0x00 ... 0x0F.

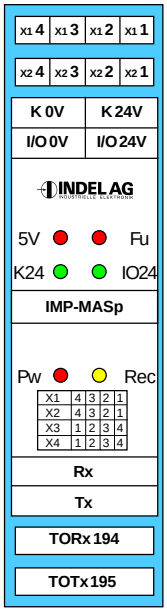
Two IMP-PIN and two IMP-POT modules are combined to one INFO-16P card.

All kind of digital I/O Modules can be operated on the passive IMP-Master: IMP-8PIN, 8POT, I8IN, I8OUT, SSR, 6PLR, 4RE.

IMP-Master for decentraliced digital I/Os

Technical Data	IMP-MAS 610434800
Power Supply	5 / 24V DC
Board supply	max. 0.62A@24V
I/O supply	max 10A@24V, with fuse
Fuse	T 10A H
Passive-Master	
Number of users	32, 4µs access time / user
Current consumption	200mA@24V Board supply
Current consumption	5mA@24V I/O supply
Operating 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 = 114.5 x 99 x 22.5

Connection example



Connector X1

Connector X2

Connector X3

Connector X4

You will find additional notes on installation in the Indel design guidelines and in the Indel wiring guidelines.

SW: Address switch on IMP-MASp

INFO-16P: SW+n = address of INFO-16P, that must be configured on the INFO-Link Master, to access the IMP I/O Modules.

INFO-16P	RX high Byte	RX low Byte	TX high Byte	TX low Byte
SW	IMP-Inp 0x1	IMP-Inp 0x0	IMP-Out 0x1	IMP-Out 0x0
SW+1	IMP-Inp 0x3	IMP-Inp 0x2	IMP-Out 0x3	IMP-Out 0x2
SW+2	IMP-Inp 0x5	IMP-Inp 0x4	IMP-Out 0x5	IMP-Out 0x4
SW+3	IMP-Inp 0x7	IMP-Inp 0x6	IMP-Out 0x7	IMP-Out 0x6
SW+4	IMP-Inp 0x9	IMP-Inp 0x8	IMP-Out 0x9	IMP-Out 0x8
SW+5	IMP-Inp 0xB	IMP-Inp 0xA	IMP-Out 0xB	IMP-Out 0xA
SW+6	IMP-Inp 0xD	IMP-Inp 0xC	IMP-Out 0xD	IMP-Out 0xC
SW+7	IMP-Inp 0xF	IMP-Inp 0xE	IMP-Out 0xF	IMP-Out 0xE

Transmit Power

The transmitter jumper affects the illumination intensity of the emitting LED and thereby the length of the light distance to the next board.

Segment length	Jumper position
0 ... 10m	no jumper
8 ... 30m	>10
20 ... 50m	>30

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Order No IMP-MASp 610434800

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