



extensible · flexibel · customized

With the Baby-IO expansion board, a total of 14 inputs and 13 outputs are made available on the HMI-OCTO and T-Grip. The special functions of the inputs and outputs are particularly advantageous for dashboard applications in vehicle construction. The wiring to the outside is done via cables to application specific connector systems in the housing of the device. Just like the design of the housing, we follow your requirements and wishes here. Through our individual in-house design and manufacturing of the housing with the latest 3D printing technology, you get exactly the device you want.

Add-on

- for all OCTO-05 und 07
- for T-Grip
- for CURVACE
- for customized solutions with basis OCTO-HMI

KONFIGURATION

	max possible
Analog input	6 *)
Digital output	14
Analog output	1
High-Side Digital output	4
Low-Side Digital output	8
Low-Side frequency output	4
Low-Side output for LED	8

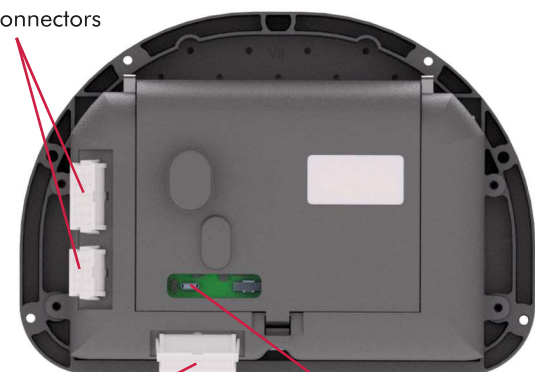
*) are the internal Analog inputs of HMI-OCTO

IN-/OUTPUTS

- Analog input** 0...5V, protected up to 50VDC (permanent), Impedanz 15kOhm, resolution 12 bit
- Digital input** protected up to 50 VDC (permanent), 31kOhm Impedanz, plus switched
- Analog output** 0...10V, protected, resolution 12bit, load >3kOhm according ISO11786
- Digital output**
- High-Side**
0,5A, protected against short circuit, idle running, reverse polarity, overcurrent, overvoltage and excess temperature, suitable for inductive load,
- Low-Side**
4,5 bis 45V, 300mA, protected against short circuit, current limited, over-temperature
- Frequency output: according ISO 11786
 - LED-output: pre-resistor, standard 150Ohm, adaptable

CONNECTORS customized

I/O Connectors



CAN1, CAN2
supply
enable signal
speed signal

USB-OTG

TECHNISCHE DATEN

Electrical connection

power supply electronic internal via HMI-OCTO

power supply high side drivers 12/24 VDC (9 to 32 VDC) load dump protection, suitable for vehicular electrical systems, max 4A current in summery

reference voltage 5V, max. 500mA

Housing

Add-on board for OCTO, T-Grip and CURVACE-housings, PA12 additively produced, IP50 up to IP65, costumized mounting

Connection

costumized connector or cable

Ambient temperature

--20° C ... +70° C (storage -30°C...+80°C), non condensing

Mechanical strength

g)Vibrations DIN IEC 68-2-6/mobile devices

Continuous shock DIN IEC 68-2- 29/Eb 250-6-1000/1 (25

EMC-Norms

agricultural machines DIN EN ISO 14982: 2009

construction machines DIN EN 13766-1/2: 2018-12

interferences on the line ISO 7637: 2009

load dump ISO 16750-2: 2012-11-01