



Cloud connected I/O controller



#### Features

- Cloud I/O and control
- Fully encrypted cloud interface
- Configuration free setup
- JSON based command interface
- Serial data router
- Industrial temp. Range -40 .. +85 °C
- 16 digital / analog inputs / outputs
- Configurable inputs (voltage, timing, event)
- Power fail safe counters / elapsed time meters
- User configurable logic engine
- h2n App for tablet / smartphone

#### General Data

Power Consumption	500 mW typ (no digital output active)
Temperature Operation	- 40 .. 85 °C
Dimension(W x D x H)	53,6 x60 x 89 mm
Mechanics	DIN Rail Mount 3 TE Weight 143
Screw Connector	0,14 .. 1,5 mm2 solid / stranded
ESD	IEC 61000-4-2 up to 8 kV

#### Power Supply

Operating Voltage (VS)	11 .. 32 V
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#### Digital Output (IEC61131-2)

Digital Output Voltage High	(VS-0,1 V) .. VS
Power Switch On Resistance	100mΩ max at 25 °C
Digital Output Current	0,7 A
Output Short Circuit Current	0,7 A cont. 1,4 A peak at 25 °C
Output Current Off	+/- 5 μA
Turn on Voltage Slope	3 V / μs typical 4 V / μs typical
Digital Output Thermal Shutdown	135 °C

#### Analog / Digital Input (IEC61131-2)

Analog Input Voltage Range	0 .. 10 V
Analog Input Resistance	R1 ≥ 10 KΩ
Digital Input Threshold	Configurable (0 .. 10 V)
Digital Input Range	- 0.5 .. 36 V
Digital Input Current	Programmable (0 / 1,5 mA)
Analog Resolution	16 Bits

## Headquarter

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Timing Resolution	1 $\mu$ s
<b>RS 232</b>	
Signals	TX, RX, RTS, CTS
Baudrate	115 kBaud max
Max Input Voltage	-25 .. 25 V
Min Output Voltage	-5 .. 5V
<b>RS 485</b>	
Signals	A+, B-; half duplex
Baudrate	250 kBaud max
Max Differential Input Voltage	-12 .. 12 V
<b>Ethernet</b>	
Speed	10/100 BaseT
Connector	Industrial RJ45 shielded

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