

IntelI IO8/8

Datasheet

Product description

- > Peripherals dedicated to expand number of I/Os of the main ComAp controller
- > Supports wide range of sensor types and characteristics
- > Connection with the main ComAp controller over CAN bus (up to 200 m length)
- > Extension modules are compatible with
 - » IntelISysNT BaseBox, IntelISysNTC, BaseBox, IntelISys GAS, IntelISysNTC Hybrid, IntelISysNT BaseBox Marine
 - » IntelIGenNT, IntelIGenNT BaseBox, IntelIGenNTC BaseBox Marine, IntelIMainsNT, IntelIMainsNT BaseBox, IntelIMainsNTC BaseBox
 - » IntelIDrive DCU Marine, IntelIDrive DCU
 - » IntelIGen4 200, IntelIGen 200, IntelIGen 500 G2, IntelIGen 500, IntelIGen 1000
 - » IntelILite(3) AMF25, IntelILite(3) AMF20, IntelILite(3) MRS16, IntelI(3) MRS 11,
 - » IntelINeo 6000, IntelINeo 5500, IntelIMains 210, IntelIMains 1010, all controllers from IntelILite 4

Key features

- > Binary input: 8/16 channels
 - » Pull up, Pull down options
- > Binary output: 8/0 channels
 - » Low side, High side options
 - » Possibility to use the outputs as inputs



Order code: I-IO8/8



Extension/Peripheral Modules

- > Analog output: 2 channels
 - » Voltage: 0 - 10 V DC
 - » Current 0 - 20 mA
 - » PWM

Application overview

- > Peripheral extension module for the controllers
 - » CAN bus connectivity
 - » Connects binary sensors (via Binary IN)
 - » Connects binary control units (via Binary OUT)
 - » Connects analog control units (via Analog OUT)

Certificates and standards

<p>This product is CE compliant.</p> <ul style="list-style-type: none"> > EN 60068-2-6 ed.2:2008 > EN 60068-2-27 ed.2:2010 > EN 60068-2-30, May 2000 > EN 60068-2-64 > EN 61010-1:2003 	 
<p>Marine certifications:</p> <ul style="list-style-type: none"> > DNV, GL, LR, BV, RMR, CCS, RINA 	

Technical data

Power supply

Power supply	8 to 36 V DC
Power consumption	35 mA a @ 24 V ÷ 100 mA at 8 V

Operating conditions

Operating temperature	- 30°C to + 70°C
Storage temperature	- 40°C to + 80°C
Operation humidity	95% w/o condensation
Vibrations	5-25 Hz, ±1.6 mm, 25-100 Hz, a = 4 g
Shocks	a = 200 m/s ²
Heat radiation	4 W

Binary inputs

Input resistance	4400 Ω
Input range	0 to 36V DC
Switching voltage level for open contact indication	0 to 2V
Max voltage level for close contact indication	6 to 36V

Binary outputs (open collector output)

Max current	500 mA
Max switching voltage	36V DC

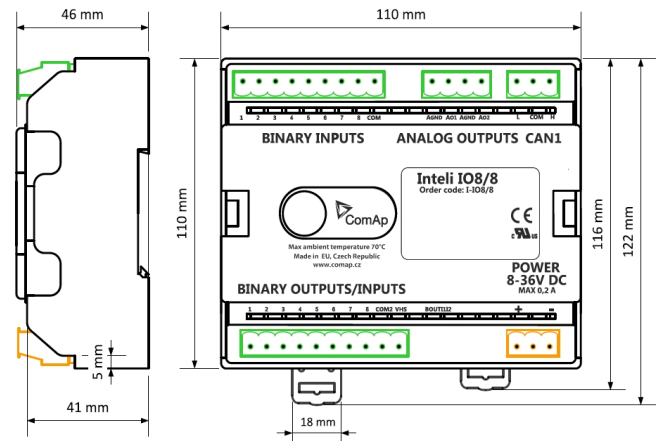
Analog outputs (not electrically separated)

Voltage	range 0 – 10 V , accuracy: ± 20 mV ± 0,5 % of actual value (I _{max} 5 mA)
Current	Range 0 - 20 mA, accuracy: ± 100 μA ± 0,5 % of actual value (R _{max} 500 Ω)
PWM	Level 5 V, adjustable freq 200÷2400 Hz (I _{max} 20 mA), (minimal step of pulse is 2 μs)
Max current of AGND	100 mA

General information

Protection	IP20
Impulse	CAN bus is galvanic separated from the measurement and power supply

Dimensions, terminals and mounting



Note: Unit is mounted on 35 mm DIN rail.