## INTELART

IM342

## - Caution

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1. The product/system described in this documentation may be operated only by personnel qualified for the specific task in accordance with the relevant documentation
Qualified personnel are those who, based on their training and experience, are capable of identifying risks and avoiding potential hazards when working with these products/systems.
. Inspect wiring of equipment before each use. Replace damaged or frayed electrical cords immediately. Use a reliable power supply.
Minimize the potential for dust, metallic particles, water or any chemical spills on or near the equipment DO NOT disassemble or modify any part of the equipment.

- Humidity or temperature out of the specified range vibration shock . dust or corrosive gas or liquid DO NOT touch the cords, terminals or any electric part when the equipment power is on. Wait at least one minute after the power off to assure that all capacitors are discharged.


## - Hardware Parameters

## Inputs count <br> Measuring type

Sampling rate
Destruction limit (Voltage)
Analog Inputs
Destruction limit (Current) Resolution
Input resistance (Voltage) Input resistance (Current) Measuring principle Hardware interrupt Hardware interrupt

Miscellaneous Relative humidity
Weight

4 Linear DC: 0 to $10 \mathrm{~V}, 0$ to 24 mA 25 ms
30 V
70 mA
12 bit
$>145 \mathrm{k} \Omega$
$>250 \Omega$
Pseudo Differential
Yes. Under flow, Over flow
-15 to $75^{\circ} \mathrm{C}$
0 to $55^{\circ} \mathrm{C}$
Max 90 \%, No Condensation
Approx. 90 g
moothing
When you install an input analog signal board, a property named "Smoothing" will be appeared in properties window in order to enable some filtering and signal conditioning options.

## - Address Space

The value of input channels and output channels and some configurations will be accessible via an address space. There are bunch of predefined mapped tags in order to read or write a value in the address space. The following table illustrates the type and purpose of each mapped tag.

| Category | Name | Data Type | Address | Function |
| :---: | :---: | :---: | :---: | :---: |
| Input Space (I) |  |  |  |  |
| Analog Inputs | AIOO | REAL | \%ID0 | Gets the value of channel 0 value |
|  | AIO1 | REAL | \%ID4 | Gets the value of channel 1 value |
|  | AIO2 | REAL | \%ID8 | Gets the value of channel 2 value |
|  | AIO3 | REAL | \%ID12 | Gets the value of channel 3 value |

## - Diagnostic

All input channels has a LED indicating the status of that channel. The following table explains the states of each relevant LED.

| LED | Indicating | Solution |
| :---: | :--- | :--- |
| Off | Power missing or hardware failure. | Check the main power supply <br> Verify that the module is installed correctly |
| On | The module is configured and is in RUN mode. | - |
| 娄 <br> Flashes | Indicates an error (Out of range error, configg <br> uration error etc.) | Verify that the module is installed correctly <br> Ensure that the input or output value be in eligible range. |

■ Wiring
The following block diagram shows you information about wiring of the module.


Analog Voltage Inputs Diagram


## ■ Dimensional Drawing

The dimensions of the module are available in this section. For install the module and its main device follow the below dimensional drawing



Wiring Sample

