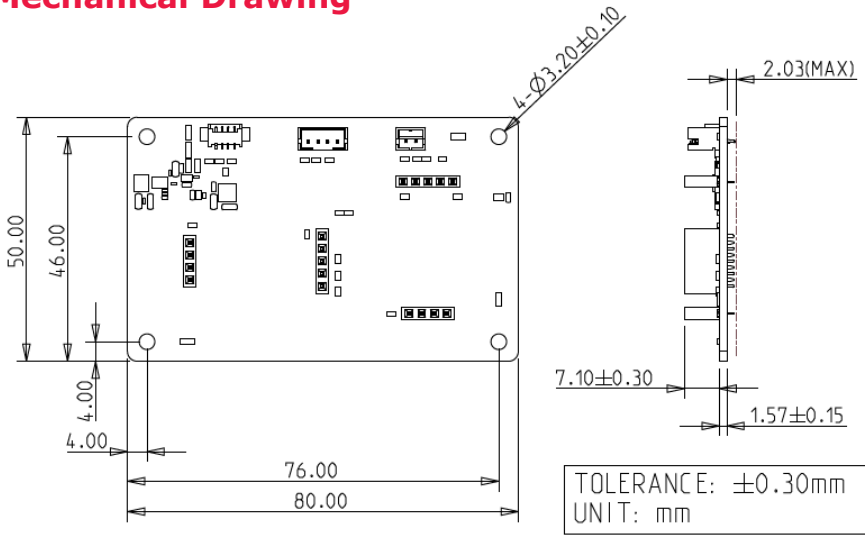


Features

- Support SYSINNO Sensor Module
- Optional VOC, HCHO, CO₂, CO, O₃, PM
- Compliant with USB 2.0 specification
- UHCI/OHCI (USB 1.1), EHCI (USB 2.0), xHCI (USB 3.1) Host Controller Compatible
- USB Human Interface Device (HID) class: No driver installation needed
- HID to I2C Master specification support
- Provide Windows/Linux SDK for sensor data acquisition
- Support 3 x I2C interface with power output
- On board Relative Humidity and Temperature Sensor
 - Relative humidity accuracy: up to $\pm 1.8\%$ RH
 - Temperature accuracy: up to $\pm 0.2\text{ }^{\circ}\text{C}$
- Complies with EN61000-4-2 (ESD) Air-15kV, Contact-8kV
- Industrial temperature(-40 $^{\circ}\text{C}$ to 85 $^{\circ}\text{C}$) operation
- 30 μ " golden finger, 3-year warranty
- Industrial design, manufactured in Innodisk Taiwan

Mechanical Drawing



I2C Pin Define (CN2)		USB Pin Define (CN1)	
1	GND	1	5V
2	SDA	2	D-
3	SCL	3	D+
4	5V	4	GND

I2C Pin Define (CN4/CN6)		CN5/CN7 Pin Define	
1	3.3V	1	5V
2	SDA	2	NC
3	SCL	3	NC
4	GND	4	GND
5	RST		

Specifications

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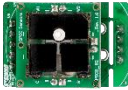

August 22, 2023

Form-Factor	Other
Input I/F	USB 2.0 Full Speed
Output I/F	I2C (3.3V)
Output Connector	P2.54mm Pin Header x4 (CN4+CN5, CN6+CN7) P2.0mm Connector x1 (CN2)
Power Consumption	MAX: 0.695W (3.3V, 139mA)
Dimension (WxLxH)	50 x 80 x 8.82 mm
Temperature	Operation: STD: -40 $^{\circ}\text{C}$ ~ +85 $^{\circ}\text{C}$ Storage: -55 $^{\circ}\text{C}$ ~ +95 $^{\circ}\text{C}$
Environment	Vibration: 5G @7~2000Hz, Shock: 50G @ 0.5ms
Notes	Human Interface Device (HID) class is natively supported in almost all operating systems. No custom driver is required to be installed. Please download Windows/Linux SDK from MyInnodisk website.

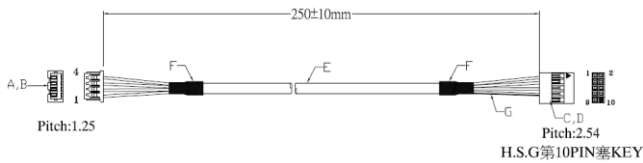
Order information

EZU2-I301-W1

USB to I2C Sensor Carrier Board

Sensor	P/N	Description	Dimension L x W x H (mm)
	EA3-2AAS2M0M006A2	IAGM2 PM Sensor Module	58 x 48 x 15.5
	EA3-2AASMM10I12F0	IAGCO CO Sensor Module	26.4 x 24.7 x 10.8
	EA3-2AASMM40I12D0	IAGM1 HCHO Sensor Module	26.4 x 24.7 x 10.8
	EA3-2AASMM20I12A0	IAGVOC TVOC Sensor Module	26.4 x 24.7 x 10.8
	EA3-2AASMM80I12S3	IAGO3 O3 Sensor Module	26.4 x 24.7 x 10.8
	EA3-2AASMM0CI03S4	IAGCO2 CO2 Sensor Module	37 x 21 x 14.8

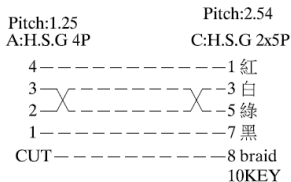
USB Cable Drawing



CIRCUITS:

MATERIAL:

- A:H.S.G P/N:M125H-04
- B:TERMINAL P/N:M125P
- C:H.S.G P/N:2562H-10(2x5P),BK,杜邦2.54,無凸點
- D:TERMINAL P/N:2563-P
- E:UL 2725 28#/1P+28#/2C+AEB
OD:3.8 COLOR:BLACK 2.0版
- F:TUBE:BK
- G:TUBE:BK



Assembly Example

