

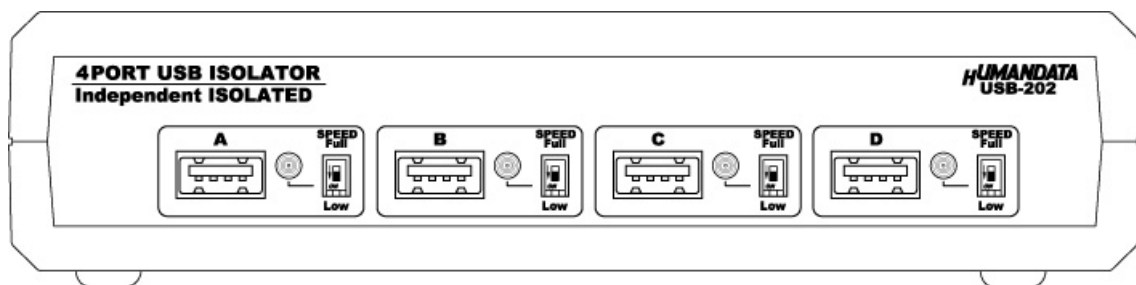


4 Port USB Isolator (Independent Type)

USB-202

User's Manual

Ver. 1.0





HUMANDATA LTD.

Table of Contents

● Precautions	1
● Revision History	2
● Introduction	2
1. Overview	2
1.1. Power Supply	3
1.2. Switch Speed	3
2. Specifications	4
2.1. Product Specification	4
2.2. Optional Accessories	5
3. Additional Documentation and User Support	5
4. Warranty and Compensation	5

● Precautions

 Do Not	1	This product uses ordinary off-the-shelf electronic components, and is therefore inappropriate for use in applications that require special quality or reliability and are expected to protect human lives or prevent accidents, such as safety mechanisms in fields including space, aeronautics, medicine, and nuclear power.
	2	Do not be used underwater or in high-humidity environments.
	3	Do not be used in the presence of corrosive gases, combustible gases, or other flammable gases.
	4	Do not turn on power when circuit board surface is in contact with other metal.
	5	Do not apply voltage higher than rated voltage.
 Attention	6	This manual may be revised in the future without notice owing to improvements.
	7	All efforts have been made to produce the best manual possible, but if users notice an error or other problem, we ask that they notify us.
	8	Item 7 notwithstanding, HuMANDATA cannot be held liable for the consequences arising from use of this product.
	9	HuMANDATA cannot be held liable for consequences arising from using this product in a way different from the uses described herein, or from uses not shown herein.
	10	This manual, circuit diagrams, sample circuits, and other content may not be copied, reproduced, or distributed without permission.
	11	If the product emits smoke, catches fire, or becomes unusually hot, cut the power immediately.
	12	Do not install the control cables or communication cables together with the main circuit lines or power cables. In such an environment, it may result in malfunction due to noise.
	13	Be careful of static electricity.

● Revision History

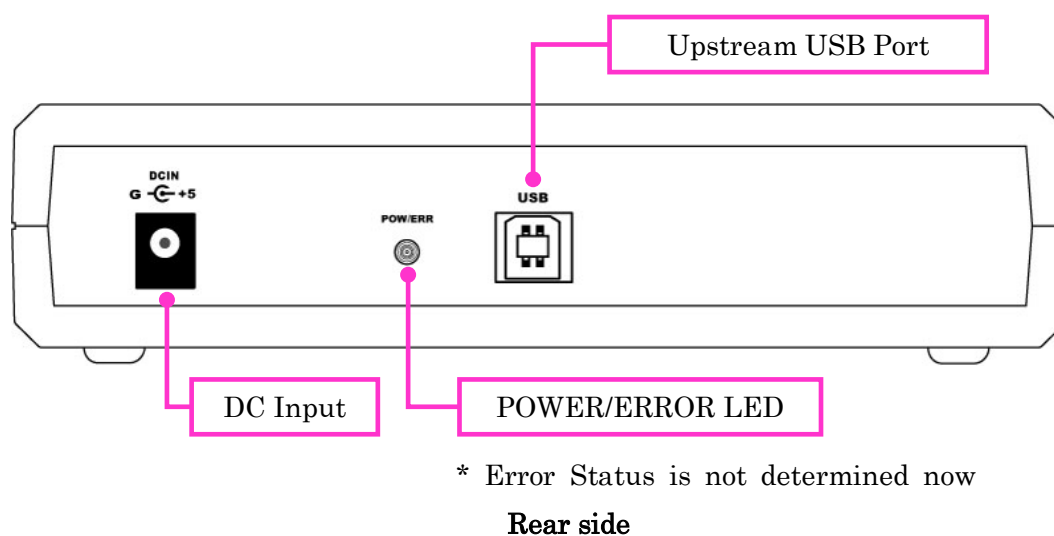
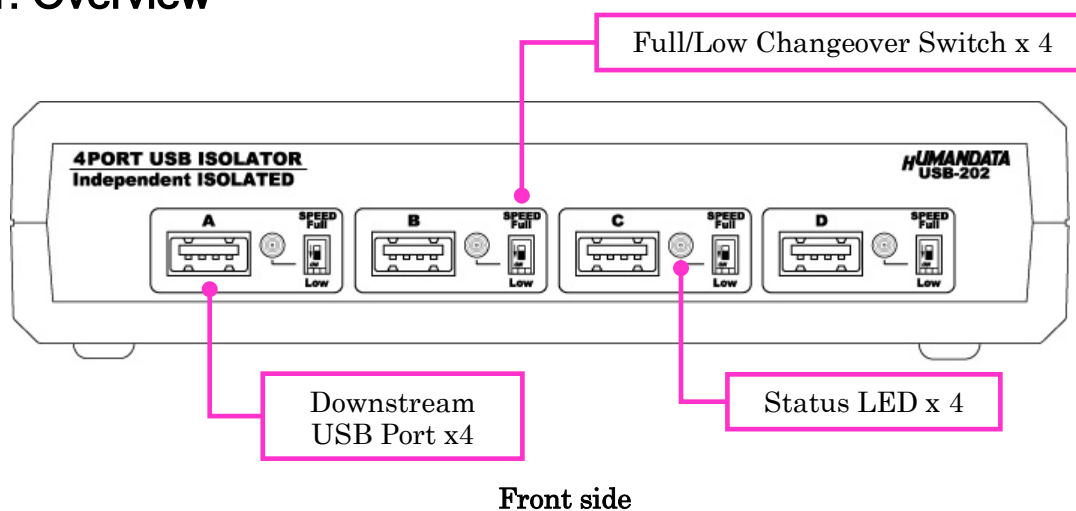
Date	Revision	Description
March 27, 2020	v1.0	Initial release

● Introduction

Thank you very much for purchasing our product.

USB-202 is a 4 port USB hub. Each 4 port is isolated independently.

1. Overview

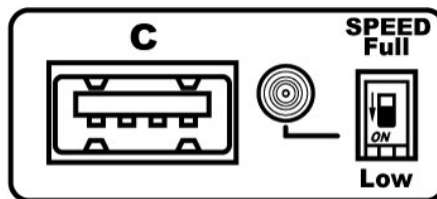


1.1. Power Supply

USB-202 is powered by AC adapter. When detecting the power from common USB port, whole USB-202 power become active. The product will operate in linkage with the host computer.

1.2. Switch Speed

The speed can be set to Full speed (12Mbps) or Low speed (1.5Mbps) by each port.



The speed is set to be Full speed with a switch up, and the status LED displays green. With a switch down, the speed is set to be Low speed and the LED displays orange.

Be careful not to change when the port is communicating.

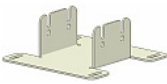



2. Specifications

2.1. Product Specification

Item	Description	Remarks
Model	USB-202	
Correspondence Equipment	PC/AT compatible machine (windows) Mac or Linux compatible with USB	No drivers required
Host Interface	USB 2.0 Compliant (Supports Full and Low Speed)	Hi Speed is not supported. ESD protection
Port Number	4 Port Each port is isolated independently	ESD protection
USB Connector	Host (upstream): Type B Female Target (downstream): Type A Female x 4	
Input Power	5VDC 2.3A	Supplied by an AC adapter
Isolation Method	Bus Isolation (Independent isolated)	
Isolation Protection	600VDC	Designed value
Support OS	OS compatible with USB	
Operating Ambient Temperature	-20 to 60 °C	No condensation permitted Except AC adapter
Operating Ambient Humidity	30 to 85%RH	
Storage Ambient Temperature	-20 to 60 °C	
Storage Ambient Humidity	30 to 85%RH	
Noise Tolerance	Not defined	
Safety Standard	Not defined	
Status LED	Power/Error (bi-color) x 1 Status (bi-color) x 4	
Dimensions	165 x 80.5 x 39 [mm] (6.496" x 3.169" x 1.535")	Without projections
Weight	Approx. 300 [g]	Only main body

* There may be cases that these parts and specifications are changed.

2.2. Optional Accessories

Model Name	Image	Description
ACC-027		Metal bracket type A for vertical mounting USB series JAN : 4937920801096
ACC-028		Metal bracket type A for horizontal mounting USB series JAN : 4937920801102
ACC-031		Din rail attachment type B for USB series JAN : 4937920801256
ACC-036		Neodymium magnet set for USB series JAN : 4937920801539

3. Additional Documentation and User Support

The following documents and other supports are available at

<https://www.hdl.co.jp/en/faspc/USB/usb-202>

- User's Manual
... and more.

4. Warranty and Compensation

Please refer to the following URL for the warranty.

<https://www.fa.hdl.co.jp/en/fa-warranty.html>

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