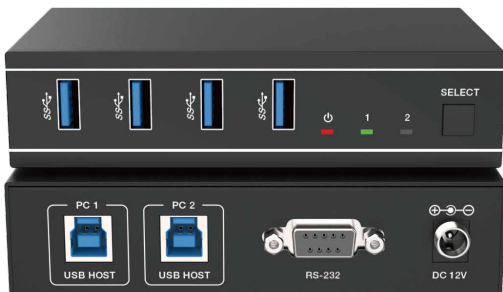




iTrans USB32-S (new)

2x4 USB 3.2 Gen1 Switcher



User Manual

VER 1.0

www.infobitav.com info@infobitav.com

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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1. Introduction

This is a 2-port USB 3.2 Gen1 peripheral sharing device that allows users to share four USB devices between two different computers. It is USB 3.2 Gen1 compliant, which can support data transfer rate up to 5Gbps and backwards compatible with USB 2.0 and USB 1.1.

It is perfect for high-bandwidth devices, such as USB docking stations or HD cameras.

2. Features

- ☆ USB 3.2 Gen1 compliant, supporting data transfer rates of up to 5Gbps
- ☆ Enables 2 computers to share 4 USB 3.2 Gen1 devices
- ☆ With LEDs to indicate the active computer
- ☆ Over-current protection
- ☆ 5V1A out for every USB device port
- ☆ USB device ports compliant with USB 3.2 Gen1, USB 2.0 and USB 1.1
- ☆ Multi-platform support – Windows, Linux and Mac
- ☆ Support auto switching (last in gets priority)
- ☆ Switching via the front panel button or RS-232 commands
- ☆ Support power-off memory, including the product status and auto switching status
- ☆ Plug and Play – no drivers or external power adapter needed

3. Package Contents

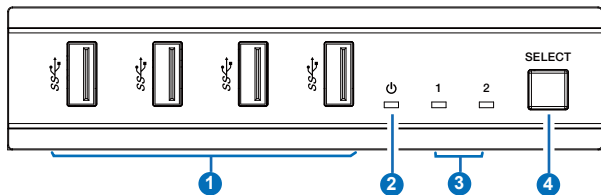
- ① 1 x 2-port USB 3.2 Gen1 Switcher
- ② 2 x USB Cables (USB 3.0, Type A to Type B, 1.8 meters)
- ③ 2 x Mounting Ears
- ④ 4 x Machine Screws (KM3*4)
- ⑤ 1 x 12V/2.5A Multinational Locking Power Supply
- ⑥ 1 x User Manual

4. Specifications

Technical	
USB Compliance	USB 3.2 Gen1, USB 2.0 and USB 1.1
Data Transfer Rates	5Gbps
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV (Contact discharge)
Connection	
HOST ports	2 x USB HOST [USB 3.0 Type B, 9-pin female]
DEVICES ports	4 x USB DEVICES [USB 3.0 Type A, 9-pin female]
Control port	1 x RS-232 [DB-9]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	125mm [W] x 80mm [D] x 30mm [H]
Weight	319g
Power Supply	DC 12V/2.5A (US/EU standard, CE/FCC/UL certified)
Power Consumption	Typical value: 21.12W Standby mode: 0.6W
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no-condensing)

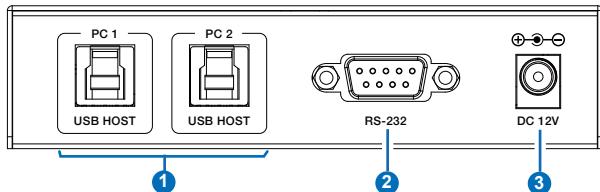
5. Operation Controls and Functions

5.1 Front Panel



No.	Name	Function Description
1	USB 3.0 ports	USB 3.2 Gen 1 device ports, connected to USB 3.0 flash disk, camera, keyboard, mouse, etc.
2	Power LED	The Power LED will light in red when the product is powered on.
3	USB Select LED 1/2	When the USB HOST port of PC 1/2 is selected as the signal input channel, the corresponding LED 1/2 will light in green.
4	SELECT button	<ul style="list-style-type: none">Short press the button to switch the input channel PC 1/2.Press and hold the button for 3 seconds to enable/disable the auto switching function.

5.2 Rear Panel



No.	Name	Function Description
1	PC 1/2 USB HOST ports	Two USB Host ports, connected to PC 1/2.
2	RS-232 port	RS-232 serial port, connected to a PC or control system for RS-232 signal pass-through or serial commands control.
3	DC 12V	DC 12V/2.5A power input port.

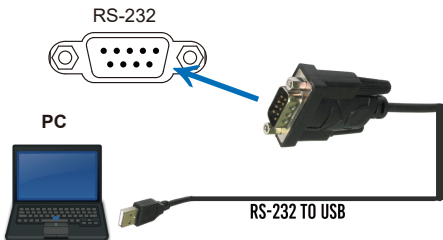
6. Auto Switching Function

The auto switching function can be enabled/disabled through the SELECT button on the front panel or the RS-232 serial commands control.

When the auto switching function is enabled, if only one USB HOST is connected, and the other USB HOST port is connected later, the system will automatically switch to the later connected port (last in gets priority), and the corresponding USB Select LED will light up; If there are two PCs at the input end of the product, and one USB HOST port is disconnected, the system will switch to the other USB HOST port automatically; If only one USB HOST is connected, the system will not automatically switch to the other USB HOST port when disconnected.

7. ASCII Commands

The product also supports ASCII commands control. Connect the RS-232 port of the product to a PC with an RS-232 to USB cable. The connection method is as follows.



Then, open a Serial Command tool on PC to send ASCII commands to control the product.

The ASCII commands list about the product is shown as below.

ASCII Commands

Serial port protocol. Baud rate: 115200 (default), Data bits: 8, Stop bits:1, Check bit: 0

x - Parameter 1 y - Parameter 2 ! - Delimiter

Command Code	Function Description	Example	Feedback	Default Setting
help!	List all commands	help!		
status!	Get device current status	status!		
r fw version!	Get firmware version	r fw version!	MCU BOOT: Vx.x MCU APP: Vx.xx.xx	
r type!	Get device model	r type!	2x1 kvm switcher	
s reboot!	Reboot the device	s reboot!	reboot...	
s reset!	Reset to factory defaults	s reset!	reset to factory defaults system Initializing...	
s output y in source x!	Route input source to output (y=0; x=1~2) y=0. output x=1. input 1 x=2. input 2	s output 0 in source 1!	output 0 in source 1!	
r output y in source!	Get output selected input source	r output 0 in source!	output 0 in source x! (x=1 or 2) 1. input 1 2. input 2	
s output y auto switch x!	Enable/disable auto switch (y=0; x=1/0) y=0. output x=0. disable auto switch x=1. enable auto switch	s output 0 auto switch 1!	output 0 auto switch 1!	
r output y auto switch!	Get output auto switch status	r output 0 auto switch!	output 0 auto switch x! (x=1 or 0) 0. disable auto switch 1. enable auto switch	

8. Application Example

