4x4 USB 3.2 Gen 1 Matrix

TRI-AVH-US44U3-6807

Large venues | Live events & performing arts | Auditorium | planetarium | Network Operation Centers

Product Overview :

This is a 4x4 matrix allowing 4 USB devices to be shared between 4 host computers. It supports plug-and-play, and allows for a neat and tidy installation - the connecting cables are bundled to save the extra cost of purchasing USB cables. It is USB 3.2 Gen 1 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.

Features :

- Enables 4 computers to share 4 USB 3.2 Gen 1 devices
- USB 3.2 Gen 1 compliant, supporting data transfer rates of up to 5Gbps
- LED indicates which host is active
- Over-current protection
- 5V/1.5A output for USB device ports
- USB device ports compliant with USB 3.2 Gen 1, USB 2.0 and USB 1.1
- Support USB Multiple Transaction Translator architecture
- Plug and Play – no drivers or external power adapter needed
- Multiplatform support – Windows, Linux and Mac
- Control via front panel buttons, IR remote, RS-232, and Web GUI
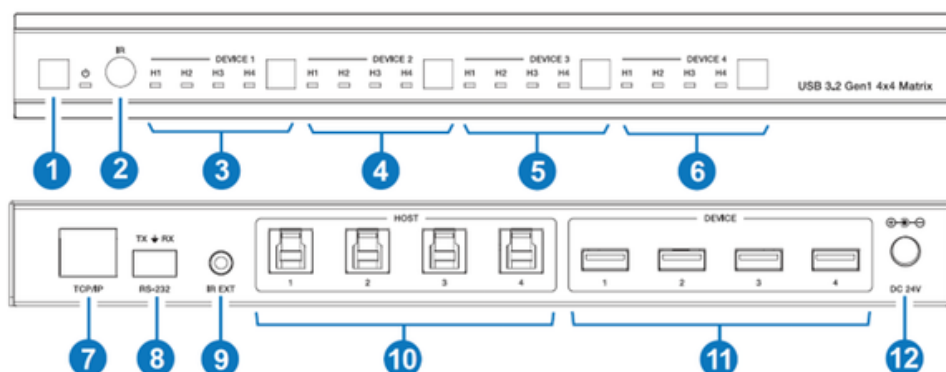
Technical Specifications
TRI-AVH-US44U3-6807

Technical	
USB Protocol	USB 3.2 Gen 1
Data Transfer Rate	5Gbps
IR Level	5Vp-p
IR Frequency	Fixed 38KHz
Transmission Distance	3m/9.8ft for USB 3.2 Gen 1 5Gbps over passive cable
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) & ±4kV(Contact discharge)
Connection	
Input ports	4× USB Host [USB 3.2 Gen 1 Type B, 9-pin female]
Output ports	4× USB Device [USB 3.2 Gen 1 Type A, 9-pin female]
Control ports	1 × TCP/IP [RJ45] 1 × RS-232 [3pin-3.81mm phoenix connector] 1 × IR EXT [3.5mm stereo mini-jack]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	270mm [W] × 166mm [D] × 30mm [H]
Weight	1.16kg
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 24V/2A (US/EU standard, CE/FCC/UL certified)
Power Consumption	13.2W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Operating Humidity	20%~80% relative humidity, non-condensing
Storage Humidity	10%~90% relativehumidity, non-condensing

For the most current specification information, please visit tri-star.co.in

Operation Controls and Functions

Front & Rear Panel

No	Name	Function Description
1	Power button & indicator	Short press the button to power on the matrix,and at this moment the LED is green; Long press the buttonfor 3 seconds to set it to standby mode,and at this moment the LED is red.
2	IR	IR signal receiver, receiving the signal from the IR remote.
3	DEVICE 1 button & H1~H4 indicators	Press the button to switch thehost in orderof H1~H4 circularly for device 1. When the host is selected, the corresponding LED will be on.
4	DEVICE 2 button & H1~H4 indicators	Press the buttonto switch the host in order of H1~H4 circularly for device 2. When the host is selected, the corresponding LED will be on.
5	DEVICE 3 button & H1~H4 indicators	Press the buttonto switch the host in order of H1~H4 circularly for device 3. When the host is selected, the corresponding LED will be on.
6	DEVICE 4 button& H1~H4 indicators	Press the buttonto switch the host in order of H1~H4 circularly for device 4. When the host is selected, the corresponding LED will be on.
7	TCP/IP	100M LAN port for Web GUI and TCP/IPcontrol, connected to a router or network switch
8	RS-232	RS-232 serial port,connected to a PC or control systemfor RS-232 command control.
9	IR EXT	IR signal receiving port, connected with 38KHz IR Receiver cable. If the IR signal receiving window of the unit is blocked or the unit is installed in a closed area out of infrared line of sight, the IR receiver cable can be insertedto the "IR EXT" port to receive the IR remote signal.
10	HOST 1~4	USB- host ports, connectedto PC or host.
11	DEVICE 1~4	USB-A device ports, with output power up to 5V/1.5A, connected to USB devices such as U disk, keyboard or mouse. Note: The USB 3.2 Gen 1 ports do not support DisplayPort™ Video (DP Alt Mode) or Power Delivery (PD).
12	DC 24V	DC 24V/2A power input port.

For the most current specification information, please visit tri-star.co.in