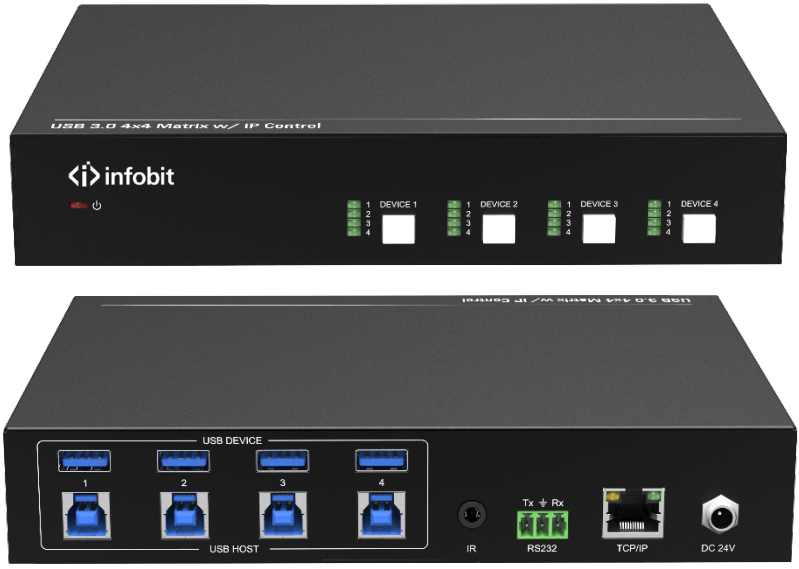
iMatrix UB44

4x4 USB 3.0 Matrix

Datasheet V1.0



1. Product Introduction

Thanks for choosing the iMatrix UB44 4x4 USB 3.0 Matrix. The matrix allowing 4 x USB devices to be shared between 4 x host devices, supporting Plug-and-Play. The USB data transfer rate is up to 5Gbps.

The Matrix provides advanced features including a web interface module for control and configuration of the Matrix, along with RS-232 for seamless control integration.

1.1 Features

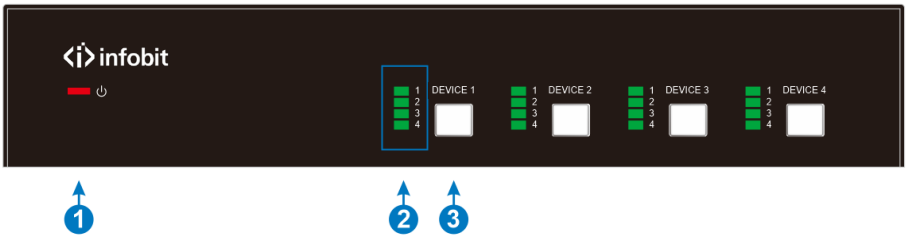
- Support USB 3.0 gen 1
- Data transfer rates up to 5Gbps
- Backwards compatible with USB 2.0 and 1.1
- Support front panel, GUI, IR and RS232 control
- 5V900mA power supply via USB-A
- Web interface module for control and configuration of the iMatrix UB44
- Plug and Play

2. Specification

Input	
Input	(4)USB
Input Connector	(4)USB-A
USB Standard	USB3.0 Gen1
Output	
Output	(4)USB
Output Connector	(4)USB-B
USB Standard	USB3.0 Gen1
Control	
Control port	(1)IR IN, (1)RS232, (1)TCP/IP
Control Connector	(1)3.5mm mini jack, (1)3-pin terminal blocks, (1)RJ45
General	
Bandwidth	5Gbps
Operation Temperature	-10 ~ +55℃
Storage Temperature	-25 ~ +70℃
Relative Humility	10% - 90%
Power Supply	DC24V1.25A
Power Consumption	20.4W(Max)
Dimension (W*H*D)	200mm x 39mm x 153mm
Net Weight	840g

3. Panel Description

3.1 Front Panel

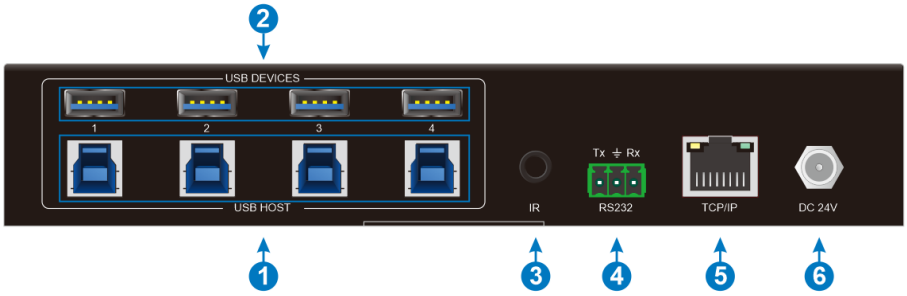


① **Power LED:** Red and green indicator light, the green light is always on when the machine is powered on, the red light is always on in standby mode, and the indicator light is off when the power is off.

② **Selection LED:** The illuminated number corresponds to the USB Host the selected USB Device is routed to.

③ **Select Button:** Press to cycle the selected USB Device through each USB Host output.

3.2 Rear Panel



① **HOST:**. Connects to USB-B port of Host device

② **DEVICES:** Connects to USB-A Devices.

③ **IR IN:** 3.5mm jack to connect IR Receiver.

④ **RS232:** 3-pin terminal block to connect a computer to control the matrix by sending RS232 commands.

⑤ **TCP/IP:** Ethernet port to connect with a computer to control the matrix via GUI.

⑥ **DC 24V:** DC connector for power adapter connection.

4. System Connection

The following diagram illustrates typical input and output connections that can be utilized with the Switcher: