

# 8 Port Rackmount USB VGA KVM Switch w/ Audio (Audio Cables Included)

Product ID: SV831DUSBAU



The SV831DUSBAU 8 Port Rack Mount USB VGA KVM Switch (with Audio Cables Included) allows you to control up to 8 USB computers using a single keyboard, mouse and monitor, and features Audio and Microphone ports to switch between audio signals as well as PC ports.

Based on a 1U rack mountable slim form factor design, this 8 Port USB KVM uses rear cable connections to maximize space efficiency. Multiple KVM units can also be connected (cascaded) together for control of up to 64 computers, ensuring a scalable KVM solution that can be expanded as necessary.

To ensure seamless operation, the switch features automatic and manual scan modes, supports both hotkey and front panel push-button switching, and features a convenient OSD (on-screen display) for added configuration options.

This product is TAA compliant and backed by a Startech.com 3-year warranty with free lifetime technical support.



#### **Data Sheet**

The SV831DUSBAU only works with specific 2-in-1 VGA and USB cables (sold separately), a list of StarTech.com approved cables are below:

6 ft Ultra Thin USB VGA 2-in-1 KVM Cable 6 ft Ultra Thin USB VGA 2-in-1 KVM Cable 10 ft Ultra Thin USB VGA 2-in-1 KVM Cable 15 ft Ultra Thin USB VGA 2-in-1 KVM Cable





## Certifications, Reports and Compatibility









#### **Applications**

- Add single console administration to your Co-location/ISP facility saving you time and money
- Create a scalable, streamlined access solution in your Datacenter or Server Farm
- Perfect for manufacturing line computer control, simplifying access to multiple systems
- Great for PC test/burn-in computer control saving the desk space required for multiple monitors, keyboards and mice
- Access multiple Security and DVR control systems from one place
- Monitor multiple systems simultaneously in Software QA labs

#### **Features**

- Supports Hotkey and front panel push-button switching
- Identify and select computers by names assigned via the OSD menu
- OSD security allows each PC to be password protected
- Supported Wide Screen Resolutions: 1920x1200, 1920x1080, 1680x1050, 1400x1050, 1440x900, 1360x768
- Supported 4:3 Resolutions: 1920x1440, 1600x1200, 1280x1024, 1024x768
- Auto-scan function automatically selects computer sequentially
- Cascade configuration expands system capability
- USB console interface
- Plug-and-play system configuration
- USB Keyboard and Mouse combo supported on one USB connection



## **Data Sheet**

Cables Included Daisy-Chain Yes KVM Ports RVM Ports RVM Ports RVM Ports RVM Ports Rounder of Monitors Supported PC Interface USB PC Video Type VGA Rack-Mountable Yes U Height U Height U Height U Height 1U  Performance Hot-Key Selection IP Control Maximum Analog Resolutions Maximum Cascaded Computers Maximum Number of Users Maximum Number of Users Maximum Number of Users On-Screen Display Port Selection Support Wide Screen Supported Yes  Connector(s) Console Interface(s) I - VGA (15 pin, High Density D-Sub) Female 2 - USB Type-A (4 pin) USB 2.0 Female 4 - USB Type-A (4 pin) USB 2.0 Female 5 - VGA (15 pin, High Density D-Sub) Female Console Interface(s) Fortware OS Compatibility OS independent; No software or drivers required Fortware OS Compatibility OS independent; No software or drivers required Fortware Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page. Indicators LED Indicators I - Green - Power R - Green - Dower R - Green - Dower R - Green - Dolline PC R - Red - Selected PC		Warranty	3 Years
Daisy-Chain  KVM Ports  RVM Ports  RVM Ports  Rumber of Monitors Supported  PC Interface  PC Video Type  VGA  Rack-Mountable  Ves  U Height  U  Performance  Hot-Key Selection  IP Control  Maximum Analog Resolutions  Maximum Cascaded Computers  Maximum Number of Users  Maximum Number of Users  Pon-Screen Display  Port Selection Support  Wide Screen Supported  Ves  1 - VGA (15 pin, High Density D-Sub) Female  2 - USB Type-A (4 pin) USB 2.0 Female  Host Connectors  Fortware  OS Compatibility  OS Compatibility  Note  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  Indicators  LED Indicators  1 - Green - Power  8 - Green - Online PC  8 - Red - Selected PC	Hardware	Audio	Yes
KVM Ports   8		Cables Included	No
Number of Monitors Supported  PC Interface PC Video Type Rack-Mountable U Height U Height U Height 10  Performance  Hot-Key Selection Maximum Analog Resolutions Maximum Cascaded Computers Maximum Mumber of Users Pon-Screen Display Port Selection Support Wide Screen Supported Wide Screen Supported Push Button, Hotkeys, and OSD (On Screen Display) Port Selection Support Push Button, Hotkeys, and OSD (On Screen Display) Port Selection Support Posh Supported Push Button, Hotkeys, and OSD (On Screen Display) Port Selection Supported Push Button, Hotkeys, and OSD (On Screen Display) Port Selection Supported Posh Button, Hotkeys, and OSD (On Screen Display) Posh Button, Hotkeys, and OSD (On Screen) Posh Button, Hotkeys, and OSD (On Screen) Posh Button, Hotkeys, and OSD (On Screen) Posh Button, Hotkeys, Posh Button, Hotkeys, and OSD (On Screen) Posh Button, Hotkeys, Posh Bu		Daisy-Chain	Yes
PC Interface PC Video Type VGA Rack-Mountable Ves U Height 1U  Performance Hot-Key Selection IP Control Maximum Analog Resolutions Maximum Cascaded Computers Maximum Number of Users IMTBF On-Screen Display Port Selection Support Wide Screen Supported Wide Screen Supported Ves Port Selection Support Ves Port Selection		KVM Ports	8
PC Video Type Rack-Mountable U Height 1U  Performance Hot-Key Selection IP Control Maximum Analog Resolutions Maximum Cascaded Computers Maximum Number of Users  1		Number of Monitors Supported	1
Rack-Mountable U Height U Height 1U  Performance Hot-Key Selection IP Control No Maximum Analog Resolutions Maximum Cascaded Computers Maximum Number of Users IMTBF ISD0000 hours On-Screen Display Port Selection Support Wide Screen Supported Yes  Console Interface(s) Host Connectors I - VGA (15 pin, High Density D-Sub) Female 2 - USB Type-A (4 pin) USB 2.0 Female 4 - VGA (15 pin, High Density D-Sub) Female 5 - VGA (15 pin, High Density D-Sub) Female 8 - VGA (15 pin, High Density D-Sub) Female 9 - VGA (15 pin, High Density D-Sub) Female 10 - VGA (15 pin, High Density D-Sub) Female 10 - VGA (15 pin, High Density D-Sub) Female 10 - VGA (15 pin, High Density D-Sub) Female 11 - VGA (15 pin, High Density D-Sub) Female 12 - USB Type-A (4 pin) USB 2.0 Female 13 - VGA (15 pin, High Density D-Sub) Female 14 - VGA (15 pin, High Density D-Sub) Female 15 - VGA (15 pin, High Density D-Sub) Female 16 - VGA (15 pin, High Density D-Sub) Female 17 - VGA (15 pin, High Density D-Sub) Female 18 - VGA (15 pin, High Density D-Sub) Female 19 - VGA (15 pin, High Density D-Sub) Female 10 - VGA (15 pin, High Density D-Sub) Female 10 - VGA (15 pin, High Density D-Sub) Female 10 - VGA (15 pin, High Density D-Sub) Female 11 - VGA (15 pin, High Density D-Sub) Female 12 - VGA (15 pin, High Density D-Sub) Female 13 - VGA (15 pin, High Density D-Sub) Female 14 - VGA (15 pin, High Density D-Sub) Female 15 - VGA (15 pin, High Density D-Sub) Female 16 - VGA (15 pin, High Density D-Sub) Female 17 - VGA (15 pin, High Density D-Sub) Female 18 - VGA (15 pin, High Density D-Sub) Female 19 - VGA (15 pin, High Density D-Sub) Female 10 - VGA (15 pin, High Density D-Sub) Female 10 - VGA (15 pin, High Density D-Sub) Female 10 - VGA (15 pin, High Density D-Sub) Female 11 - VGA (15 pin, High Density D-Sub) Female 12 - VGA (15 pin, High Density D-Sub) Female 13 - VGA (15 pin, High Density D-Sub) Female 14 - VGA (15 pin, High Density D-Sub) Female 15 - VGA (15 pin, High Density D-Sub) Female 16 - VGA (15 pin, High Density D-Sub) Female 16 - VGA (15 pin, High De		PC Interface	USB
Performance Hot-Key Selection IP Control Maximum Analog Resolutions Maximum Cascaded Computers Maximum Number of Users On-Screen Display Port Selection Support Wide Screen Supported Wide Screen Supported Yes Connector(s) Console Interface(s) Host Connectors Host Connectors OS Compatibility OS Compatibility OS independent; No software or drivers required Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  Host Conlectors I - Green - Power Requirements  Host Conflictors I - Green - Power Requirements Section Port Power Requirements Requirements  Host Conflictors I - Green - Power Requirements Requiremen		PC Video Type	VGA
Performance  Hot-Key Selection IP Control No Maximum Analog Resolutions Maximum Cascaded Computers Maximum Number of Users Port Selection Support Wide Screen Supported Wide Screen Supported Yes Connector(s)  Console Interface(s) Host Connectors Host Connectors  OS Compatibility  OS Compatibility  Note Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  I - Green - Power Requirements  Performance  Host Key Selection No Maximum Analog Resolutions 15020 x 1440@60Hz (1920 x 1200@60Hz - Wide Screen)  Host Connector Supported Yes 150000 hours Push Button, Hotkeys, and OSD (On Screen Display) Yes Push Button, Hotkeys, and OSD (On Screen Display) Yes 1 - VGA (15 pin, High Density D-Sub) Female 2 - 3.5 mm Mini-Jack (3 Position) Female 3 - VGA (15 pin, High Density D-Sub) Female 3 - VGA (15 pin, High Density D-Sub) Female 3 - VGA (15 pin, High Density D-Sub) Female 4 - VGA (15 pin, High Density D-Sub) Female 4 - VGA (15 pin, High Density D-Sub) Female 4 - VGA (15 pin, High Density D-Sub) Female 4 - VGA (15 pin, High Density D-Sub) Female 4 - VGA (15 pin, High Density D-Sub) Female 4 - VGA (15 pin, High Density D-Sub) Female 4 - VGA (15 pin, High Density D-Sub) Female 4 - VGA (15 pin, High Density D-Sub) Female 5 - VGA (15 pin, High Density D-Sub) Female 5 - VGA (15 pin, High Density D-Sub) Female 6 - VGA (15 pin, High Density D-Sub) Female 7 - VGA (15 pin, High Density D-Sub) Female 8 - VGA (15 pin, High Density D-Sub) Female 9 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 1 - VGA (15 pin, High Density D-Sub) Female 2 - VGA (15 pin, High D		Rack-Mountable	Yes
IP Control  Maximum Analog Resolutions  Maximum Cascaded Computers  Maximum Number of Users  MTBF  On-Screen Display  Port Selection Support  Wide Screen Supported  Connector(s)  Console Interface(s)  Host Connectors  OS Compatibility  OS Compatibility  Note  Note  Note  LED Indicators  1920 x 1440@60Hz (1920 x 1200@60Hz - Wide Screen)  1920 x 1440@60Hz (1920 x 1200@60Hz - Wide Screen)  1920 x 1440@60Hz (1920 x 1200@60Hz - Wide Screen)  10920 x 1440@60Hz (1920 x 1200@60Hz - Wide Screen)  10920 x 1440@60Hz (1920 x 1200@60Hz - Wide Screen)  4  4  4  4  4  4  4  4  4  4  4  4  4		U Height	1U
Maximum Analog Resolutions  Maximum Cascaded Computers  64  Maximum Number of Users  1  MTBF  150000 hours  On-Screen Display  Yes  Port Selection Support  Wide Screen Supported  Yes  Connector(s)  Console Interface(s)  Host Connectors  1 - VGA (15 pin, High Density D-Sub) Female  2 - 3.5 mm Mini-Jack (3 Position) Female  2 - USB Type-A (4 pin) USB 2.0 Female  Host Connectors  16 - 3.5 mm Mini-Jack (3 Position) Female  2 - WGA (15 pin, High Density D-Sub) Female  OS Compatibility  OS independent; No software or drivers required  Note  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  Indicators  LED Indicators  1 - Green - Power  8 - Green - Online PC  8 - Red - Selected PC	Performance	Hot-Key Selection	Yes
Maximum Cascaded Computers  Maximum Number of Users  MTBF  150000 hours  On-Screen Display  Port Selection Support  Wide Screen Supported  Yes  Connector(s)  Console Interface(s)  Host Connectors  1 - VGA (15 pin, High Density D-Sub) Female  2 - 3.5 mm Mini-Jack (3 Position) Female  2 - USB Type-A (4 pin) USB 2.0 Female  16 - 3.5 mm Mini-Jack (3 Position) Female  8 - VGA (15 pin, High Density D-Sub) Female  OS Compatibility  OS independent; No software or drivers required  Special Notes /  Requirements  Note  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  I - Green - Power  8 - Green - Online PC  8 - Red - Selected PC		IP Control	No
Maximum Number of Users  MTBF  150000 hours  On-Screen Display  Yes  Port Selection Support  Wide Screen Supported  Yes  Connector(s)  Console Interface(s)  I - VGA (15 pin, High Density D-Sub) Female  2 - 3.5 mm Mini-Jack (3 Position) Female  2 - USB Type-A (4 pin) USB 2.0 Female  16 - 3.5 mm Mini-Jack (3 Position) Female  8 - VGA (15 pin, High Density D-Sub) Female  9 - VGA (15 pin, High Density D-Sub) Female  10 - 3.5 mm Mini-Jack (3 Position) Female  11 - VGA (15 pin, High Density D-Sub) Female  12 - USB Type-A (4 pin) USB 2.0 Female  13 - VGA (15 pin, High Density D-Sub) Female  14 - VGA (15 pin, High Density D-Sub) Female  15 - VGA (15 pin, High Density D-Sub) Female  16 - 3.5 mm Mini-Jack (3 Position) Female  17 - VGA (15 pin, High Density D-Sub) Female  18 - VGA (15 pin, High Density D-Sub) Female  19 - VGA (15 pin, High Density D-Sub) Female  10 - VGA (15 pin, High Density D		Maximum Analog Resolutions	1920 x 1440@60Hz (1920 x 1200@60Hz - Wide Screen)
MTBF On-Screen Display Port Selection Support Wide Screen Supported  Connector(s)  Console Interface(s)  Host Connectors  OS Compatibility  OS Compatibility  OS Compatibility  Description  Note  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  LED Indicators  1 - Green - Power 8 - Green - Online PC 8 - Red - Selected PC		Maximum Cascaded Computers	64
On-Screen Display Port Selection Support Wide Screen Supported Yes  Connector(s)  Console Interface(s)  Console Interface(s)  1 - VGA (15 pin, High Density D-Sub) Female 2 - 3.5 mm Mini-Jack (3 Position) Female 2 - USB Type-A (4 pin) USB 2.0 Female 4 - 3.5 mm Mini-Jack (3 Position) Female 8 - VGA (15 pin, High Density D-Sub) Female OS Compatibility  OS independent; No software or drivers required  Special Notes / Requirements  Note  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  LED Indicators  1 - Green - Power 8 - Green - Online PC 8 - Red - Selected PC		Maximum Number of Users	1
Port Selection Support Wide Screen Supported Yes  Connector(s) Console Interface(s) 1 - VGA (15 pin, High Density D-Sub) Female 2 - 3.5 mm Mini-Jack (3 Position) Female 2 - USB Type-A (4 pin) USB 2.0 Female 4 - 3.5 mm Mini-Jack (3 Position) Female 8 - VGA (15 pin, High Density D-Sub) Female 8 - VGA (15 pin, High Density D-Sub) Female OS Compatibility OS independent; No software or drivers required  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  LED Indicators 1 - Green - Power 8 - Green - Online PC 8 - Red - Selected PC		MTBF	150000 hours
Wide Screen Supported  Connector(s)  Console Interface(s)  1 - VGA (15 pin, High Density D-Sub) Female 2 - 3.5 mm Mini-Jack (3 Position) Female 2 - USB Type-A (4 pin) USB 2.0 Female 16 - 3.5 mm Mini-Jack (3 Position) Female 8 - VGA (15 pin, High Density D-Sub) Female OS Compatibility  OS independent; No software or drivers required  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  LED Indicators  1 - Green - Power 8 - Green - Online PC 8 - Red - Selected PC		On-Screen Display	Yes
Connector(s)  Console Interface(s)  1 - VGA (15 pin, High Density D-Sub) Female  2 - 3.5 mm Mini-Jack (3 Position) Female  2 - USB Type-A (4 pin) USB 2.0 Female  16 - 3.5 mm Mini-Jack (3 Position) Female  8 - VGA (15 pin, High Density D-Sub) Female  OS Compatibility  OS independent; No software or drivers required  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  I - Green - Power  8 - Green - Online PC  8 - Red - Selected PC		Port Selection Support	Push Button, Hotkeys, and OSD (On Screen Display)
2 - 3.5 mm Mini-Jack (3 Position) Female 2 - USB Type-A (4 pin) USB 2.0 Female 16 - 3.5 mm Mini-Jack (3 Position) Female 8 - VGA (15 pin, High Density D-Sub) Female OS Compatibility OS independent; No software or drivers required Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  LED Indicators 1 - Green - Power 8 - Green - Online PC 8 - Red - Selected PC		Wide Screen Supported	Yes
2 - USB Type-A (4 pin) USB 2.0 Female  16 - 3.5 mm Mini-Jack (3 Position) Female  8 - VGA (15 pin, High Density D-Sub) Female  OS Compatibility  OS independent; No software or drivers required  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  LED Indicators  1 - Green - Power  8 - Green - Online PC  8 - Red - Selected PC	Connector(s)	Console Interface(s)	1 - VGA (15 pin, High Density D-Sub) Female
Host Connectors  16 - 3.5 mm Mini-Jack (3 Position) Female 8 - VGA (15 pin, High Density D-Sub) Female  OS Compatibility  OS independent; No software or drivers required  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  LED Indicators  1 - Green - Power 8 - Green - Online PC 8 - Red - Selected PC			2 - 3.5 mm Mini-Jack (3 Position) Female
8 - VGA (15 pin, High Density D-Sub) Female  OS Compatibility OS independent; No software or drivers required  Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  I - Green - Power  8 - Green - Online PC  8 - Red - Selected PC			2 - USB Type-A (4 pin) USB 2.0 Female
Software OS Compatibility OS independent; No software or drivers required Special Notes / Requirements  Note Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  1 - Green - Power 8 - Green - Online PC 8 - Red - Selected PC		Host Connectors	16 - 3.5 mm Mini-Jack (3 Position) Female
Package includes eight 6ft. green audio cables and eight 6ft. red microphone cables. Other lengths and options are available on the accessories page.  1 - Green - Power  8 - Green - Online PC  8 - Red - Selected PC			8 - VGA (15 pin, High Density D-Sub) Female
red microphone cables. Other lengths and options are available on the accessories page.  ndicators  LED Indicators  1 - Green - Power  8 - Green - Online PC  8 - Red - Selected PC	Software	OS Compatibility	OS independent; No software or drivers required
8 - Green - Online PC  8 - Red - Selected PC	Special Notes / Requirements	Note	red microphone cables. Other lengths and options are
8 - Red - Selected PC	Indicators	LED Indicators	1 - Green - Power
			8 - Green - Online PC
Power Power Consumption (In Watts) 48			8 - Red - Selected PC
	Power	Power Consumption (In Watts)	48



## **Data Sheet**

Environmental	Humidity	80% RH
	Operating Temperature	5°C to 40°C (41°F to 104°F)
	Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Physical Characteristics	Color	Black
	Material	Steel
	Product Depth	7.1 in [180 mm]
	Product Height	1.8 in [4.5 cm]
	Product Width	21.3 in [54 cm]
	Weight of Product	5.7 lb [2.6 kg]
Packaging Information	Package Height	10.4 in [26.4 cm]
	Package Length	23.3 in [59.1 cm]
	Package Width	4.8 in [12.3 cm]
	Shipping (Package) Weight	10.3 lb [4.7 kg]
What's in the Box	Included in Package	1 - KVM Switch
		2 - Mounting Brackets
		8 - 6ft. Green Audio Cables and Red Microphone Cables (16 in Total)
		4 - Foot Pad
		3 - 6 ft. Power Cords (NA, EU, UK)
		1 - User Manual

Product appearance and specifications are subject to change without notice.