

SB-2106

2x1 VGA-STEREO AUDIO ROUTING SWITCHER

VGA AUDIO SWITCHER

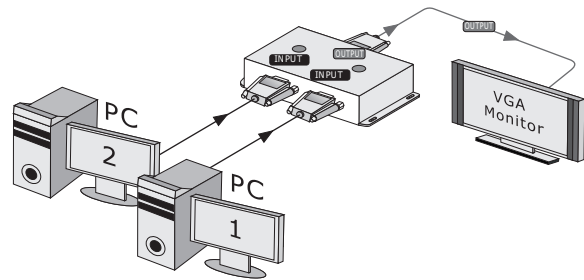
Inputs : 2x VGA(GBHV), 2x STEREO AUDIO (AR/AL)
Output : 1x VGA(GBHV), 1x STEREO AUDIO (AR/AL)



INTRODUCTION

SB-2106 is a high speed Video Bandwidth 310MHz, Maximum 380MHz VGA and Audio switcher router product. It's one of the most innovative VGA/RGBHV and STEREO AUDIO(AR/AL) switching product. There's a two inputs switcher router, any input may be routed to any output. It completely eliminates the need to constantly move around VGA and Stereo Audio input and output cables. It is suited to full HD LCD TV or Plasma display monitor applications.

SB-2106 VGA-AUDIO SWITCHER 2x1



2x1 VGA-(RGBHV)/ SWITCHER AUDIO SWITCHER

FEATURES

1. Support 2 inputs to 1 output VGA/ Audio Switcher Router
2. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
3. Video Bandwidth : 380MHz (-3dB), 200 mVp-p
4. Excellent Video(VGA- RGBHV) and Stereo Audio Performance
5. Audio Frequency Respond : 20Hz ~ 20KHz
6. Low all hostile crosstalk of -83 dB @ 5 MHz
7. Excellent ESD rating : exceeds 4000 V
8. Switching RGBHV in LCD monitors and plasma displays
9. Suitable for full HD high resolution Video player device and LCD/ Plasma monitor displays
10. Support Lower power consumed full load under 550 mA
11. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

1. Type of switcher : two inputs to one output VGA-AUDIO Switcher
2. Video Bandwidth : 380MHz, (-3 dB) 200 mV p-p, 310MHz, (-3 dB) 2V p-p
R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
3. Audio Bandwidth : 60MHz, (-3dB) (Audio-R ight=60MHz, Audio-Lif t=60MHz)
4. Audio Frequency : 20Hz ~20KHz
5. Gain Flatness : 90 MHz , 0.1 dB
6. Differential Gain Error : 0.01 % , 0.1 dB
7. Differential Phase Error : 0.02 , 0.1 dB (RL=150 W)
8. Fast settling time: 15ns To 0.1%
9. All Hostile Crosstalk : -84 db @ 5 MHz, -54 dB @ 50 MHz
10. Channel Crosstalk : -56 db @ 100 MHz
12. Slew Rate : 1000 V/us, G=+1.2 V Step
13. High OFF Isolation : -100 dB @10MHz
14. Output Current : 100 mA
15. Low power CMOS : 550 uA Quiesce nt Current
16. Safety Approvals : CE, FCC, VCCI, Erp, WEEE
17. Dimensions (LxWxH) : 5.04 " (128 mm) x 2.85 " (72.5m m) x 1.08 " (27.5m m)
18. Net Weight (Unit Only) : About 0.3kg /0.66 lb
19. Power Voltage Input : DC 12V @ 1.25 A

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SB-4106

4x1 VGA ROUTING SWITCHER

VGA SWITCHER

Inputs : 4x VGA(RGBHV)

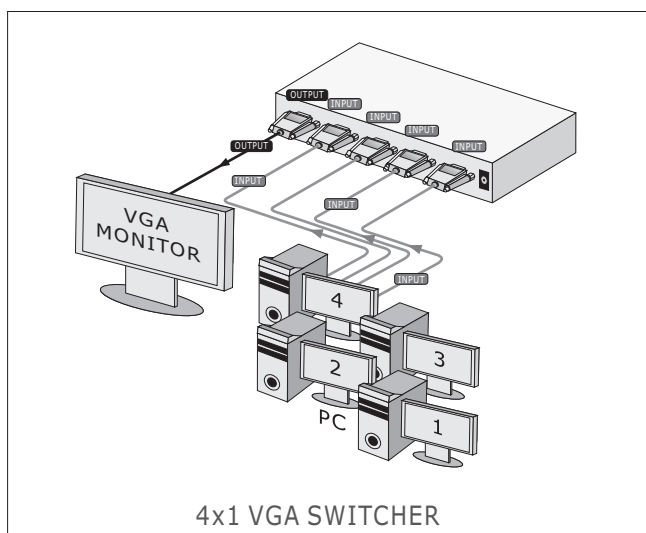
Output : 1x VGA(RGBHV)



INTRODUCTION

SB-4106 is a high speed Video Bandwidth 310MHz, Maximum 380MHz for VGA-RGBHV routing switcher product. It's one of the most innovative VGA RGBHV signals switch router product. It has 4 individual inputs with 1 individual output. It is a four inputs switcher, any input may be routed to one output. It completely eliminates the need to constantly move around VGA input and output cables. This switcher is suited to full HD LCD Television and HDTV high resolution for 480p, 720p, 1080i, 1080p, VGA high HD resolution for UXGA 1600x1200 or Plasma display monitor applications. Control is provided via front switch push buttons with LED readout or IR remote controller.

SB-4106 VGA SWITCHER 4x1



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FEATURES

1. Support 4 inputs to 1 output VGA Switcher
2. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
3. Video Bandwidth : 380MHz (~3dB), 200 mVp-p
4. Excellent Video(VGA-RGBHV) Performance
5. Low all hostile crosstalk of -83 dB @ 5 MHz
6. Excellent ESD rating : exceeds 4000 V
7. Switching RGBHV in LCD monitors and plasma monitor displays
8. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
9. Front push buttons with LED readout
10. Infrared : IR remote control (38KHz)
11. Support Lower power consumed full load under 550 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

1. Type of switcher : 4 inputs to 1 output VGA Switcher
2. Video Bandwidth : 380MHz, (-3 dB) 200 mV p-p, 310MHz, (-3 dB) 2V p-p
R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
3. Gain Flatness : 90 MHz , 0.1 dB
4. Differential Gain Error : 0.01% , 0.1 dB
5. Differential Phase Error : 0.02 , 0.1 dB (RL=150 W)
6. Fast settling time: 15ns To 0.1%
7. All Hostile Crosstalk : -84 db @ 5 MHz, -54 dB @ 50 MHz
8. Channel Crosstalk : -56 db @ 100 MHz
9. Slew Rate : 1000 V/us, G=+1.2 V Step
10. High OFF Isolation : -100 dB@10MHz
11. Output Current : 100 mA
12. Low power CMOS : 550 uA Quiescent Current
13. Controls : IR Remote Controller, front panel select buttons with LED readout
14. Safety Approvals : CE, FCC, VCCI, Erp, WEEE
15. Dimensions (LxWxH) : 8.27" (210mm) x 4.49" (114mm) x 1.06" (27 mm)
16. Net Weight (Unit Only) : About 0.7kg/1.54 lb
17. Power Voltage Input : DC 12V @ 1.25A

SB-8202

8x2 VGA-AUDIO ROUTING SWITCHER

VGA AUDIO MATRIX RS-232 PRO

Inputs : 8x VGA(RGBHV), 8x STEREO AUDIO (AR/AL)
Outputs : 2x VGA(RGBHV), 2x STEREO AUDIO (AR/AL)

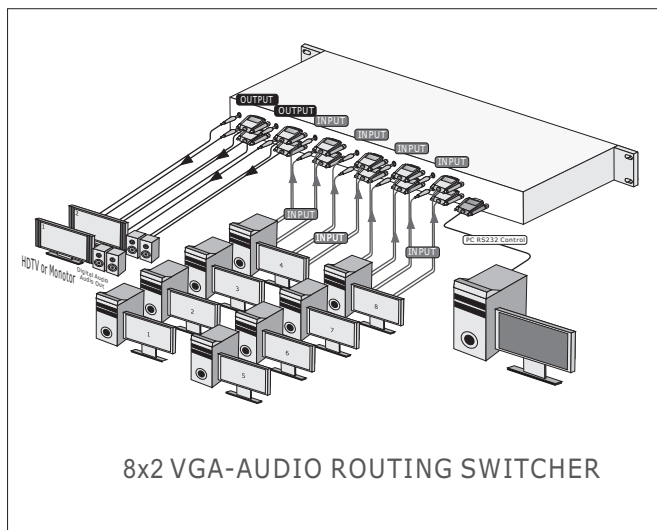


Ear Rack: 1U-440L

INTRODUCTION

SB-8202 is a true (8) in To (2) out Routing Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (2) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (8) individual inputs with (2) individual outputs. Because it is a routing switcher, any inputs may be routed to ouput. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8202 8x2 VGA -Audio Routing Switcher



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FEATURES

- Support (8) inputs to (2) outputs VGA & Audio Routing Switcher
- Input signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Output signals via (2)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support RS232 interface control AP driver for PC 95/98/2000/xp
A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1180mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (8) inputs to (2) outputs VGA and Stereo Audio Routing Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Resolution supports : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Video Bandwidth : Response range : 20Hz ~ 20KHz
- Audio Frequency : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Bandwidth : (8)x Video (VGA-RGBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Input : (2)x Video (VGA-RGBHV) use D-sub HD15P connectors
(2)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Output : 90 MHz , 0.1 dB
- Gain Flatness : 0.01%, 0.1 dB
- Differential Gain Error : 0.02 , 0.1 dB (RL=150 W)
- Differential Phase Error : 15ns To 0.1%
- Fast settling time : -83 db @ 5 MHz, -54 dB @ 50 MHz
- All Hostile Crosstalk : -56 db @ 100 MHz
- Channel Crosstalk : 1000 V/us, G=+1,2 V Step
- Slew Rate : -100 dB@10MHz
- High OFF Isolation : 100 mA
- Output Current : 38KHz
- Infrared Frequency : 1x Select Function buttons on front panel (Data status via LCD panel show out)
1x IR Remote Controller (switch control)
1x RS 232 series interface (switch control)
- Switch Controls : Destination button (1) thru (8)
- (8) Function key Control: Metal thin = 1 mm
- Chassis Material : CE, FCC, VCCI, Erp, WEEE
- Safety Approvals : 17.32 "x 7.80 " x 1.73 "(440mm x 200mm x 44mm)
- Dimensions (LxWxH) : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Rack Mount : About 2.45 kg / 5.4 lb
- Net Weight (Unit Only) : DC 12V @ 2A , Use Universal switch Type 50/60Hz, 100~240 VAC
- Power Voltage Input :

SB-4140

4x4 VGA MATRIX SWITCHER

VGA MATRIX RS-232 PRO

Inputs : 4x VGA(RGBHV)

Outputs : 4x VGA(RGBHV)

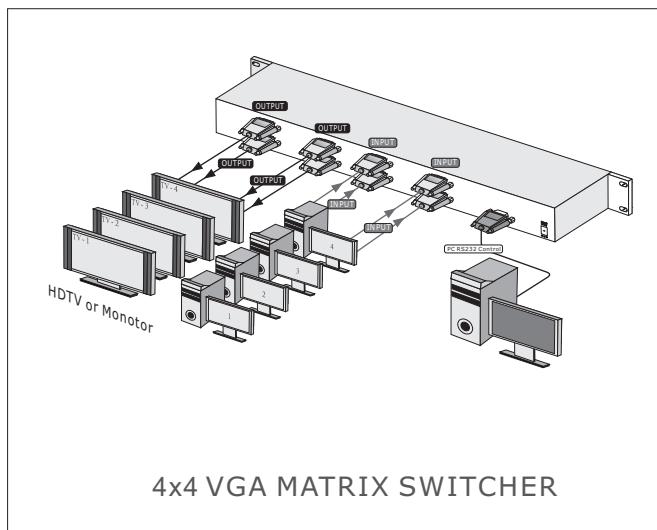


Ear Rack: 1U-440L

INTRODUCTION

SB-4140 is a high speed Video Bandwidth 310MHz, Maximum 380MHz VGA (4) in To (4) out Matrix switcher product. It's one of the most innovative VGA (RGBHV) signals switching product. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any input may be routed to any output. It completely eliminates the need to constantly move around VGA input and output cables. This switcher is ideally suited for full HD High Definition LCD HDTV Television for VGA (R,B,G,H,V) signals or HD Plasma display monitor resolution applications. Support world wide control key functions: ALL/OFF/RECALL/ENTER/MEMORY/EDID/LOCK, Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4140 4x4 VGA Matrix Switcher



4x4 VGA MATRIX SWITCHER

FEATURES

1. Support 4 inputs to 4 outputs VGA Matrix Switcher
2. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
3. Video Bandwidth : 380MHz (-3dB), 200 mVp-p
4. Excellent Video(VGA-RGBHV) and Stereo Audio Performance
5. Low all hostile crosstalk of -83 dB @ 5 MHz
6. Excellent ESD rating : exceeds 4000 V
7. Switching RGBHV in LCD monitors and plasma displays
8. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
9. Direct selection and confirm via Front push buttons with LED readout
10. Infrared : IR remote control (38KHz)
11. Support RS232 interface control driver for 95/98/2000/XP
A Windows-based control software Driver packaged
12. RS232 protocol list with manual attached
13. Enclosure type : Support 19 inch Ear & Rack mountable panel
14. Support Lower power consumed full load under 950 mA
15. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

1. Type of switcher : 4 inputs to 4 outputs VGA Matrix Switcher
2. Video Bandwidth : 380MHz, (-3 dB) 200 mV p-p, 310MHz, (-3 dB) 2V p-p
R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
3. Gain Flatness : 90 MHz , 0.1 dB
4. Differential Gain Error : 0.01%, 0.1 dB
5. Differential Phase Error : 0.02 , 0.1 dB (RL=150 W)
6. Fast settling time: 15ns To 0.1%
7. All Hostile Crosstalk : -84 db @ 5 MHz, -54 dB @ 50 MHz
8. Channel Crosstalk : -56 db @ 100 MHz
9. Slew Rate : 1000 V/us, G=+1,2 V Step
10. High OFF Isolation : -100 dB@10MHz
11. Output Current : 100 mA
12. Low power CMOS : 550 uA Quiescent Current
13. Control: IR Remote Controller(38KHz), Front panel selection buttons with LED readout and RS232 PC control
14. Safety Approvals : CE, FCC, VCCI, Erp, WEEE
15. Dimensions (LxWxH) : 17.32"x 7.80" x 1.73" (440mm x 200mm x 44mm)
16. Net Weight (Unit Only) : About 2.45kg/5.4 lb
17. Power Voltage Input : DC 12V @ 1.25A

SB-4140LCM

4x4 VGA MATRIX SWITCHER

VGA MATRIX RS-232 PRO

Inputs : 4x VGA(RGBHV)

Outputs : 4x VGA(RGBHV)

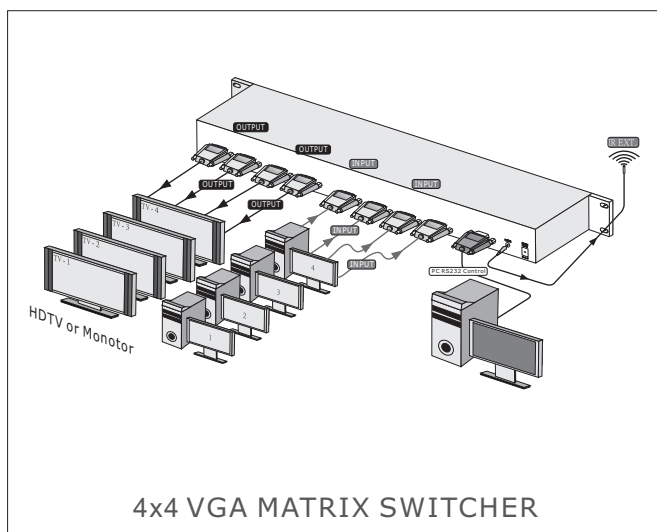


Ear Rack: 1U-440L

INTRODUCTION

SB-4140LCM is a high speed Video Bandwidth 310MHz, Maximum 380MHz VGA (4) in To (4) out Matrix switch product. It's one of the most innovative VGA (RGBHV) signals switching product. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any input may be routed to any output. It completely eliminates the need to constantly move around VGA input and output cables. This switcher is ideally suited for full HD High Definition LCD HDTV Television for VGA (R,B,G,H,V) signals or HD Plasma display monitor resolution applications. Support world wide control key functions: ALL/OFF/RECALL/ENTER/MEMORY/EDID/LOCK, Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4140LCM 4x4 VGA Matrix Switcher



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FEATURES

- Support (4) inputs to (4) outputs VGA (RBGHV) Matrix Switcher
- Input/Output signals via analog VGA (RGBHV)
- Higher Video Bandwidth 380MHz (-3dB), 200 mVp-p each path signals.
- Supported selection buttons direct channel on front panel.
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
- Excellent Video(VGA-RGBHV) and Stereo Audio Performance
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Third party RS232 controller (via simple ASCII)
- Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
- Direct selection and confirm via front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys:
 - Full function front panel controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/xp
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 950 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switch : 4 inputs to 4 outputs VGA Matrix Switcher
- Video Bandwidth : 380MHz, (-3 dB) 200 mV p-p, 310MHz, (-3 dB) 2V p-p
R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
- Input : VGA
- Output : VGA
- Source Status 4x Video (Composite Video) use VGA HD15P connectors
4x Video (Composite Video) use VGA HD15P connectors
Input status LEDs indicates presence of a live signal
- Gain Flatness : 90 Mhz , 0.1 dB
- Differential Gain Error : 0.01%, 0.1 dB
- Differential Phase Error : 0.02 , 0.1 dB (RL=150 W)
- Fast settling time: 15ns To 0.1%
- All Hostile Crosstalk : -84 dB @ 5 MHz, -54 dB @ 50 MHz
- Channel Crosstalk : -56 dB @ 100 MHz
- Slew Rate : 1000 V/us, G=+1.2 V Step
- High OFF Isolation : -100 dB@10MHz
- Output Current : 100 mA
- Low power CMOS : 550 uA Quiescent Current
- Infrared Frequency : 38KHz
- IR External Distance : ~984 feet / 300 meters maximum.
- Switch Controls :
 - 1x Select & Function buttons on front panel (Data status via LCM panel show out)
 - 1x IR Remote Controller (switch control)
 - 1x RS 232 series interface (switch control)
- (14) Function key Control :
 - 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK,
 - 7.Destination button 1 thru 4, 8.Source button 1 thru 4
- Safety Approvals : CE, FCC, VCCI, Eip, WEEE
- Dimensions (LxWxH) : 17.32" x 7.80" x 1.73" (440mm x 200mm x 44mm)
- Rack Mount : 1RU High 19" Rack Mount #1U-440L (with rack mount)
- Net Weight (Unit Only) : About 2.45kg/5.4 lb
- Power Voltage Input : DC 12V @ 1.25A , Use Universal Type 50/60Hz, 100~240 VAC

SB-4144

4x4 VGA & AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX RS-232 PRO

Inputs : 4x VGA(RGBHV), 4x STEREO AUDIO (AR/AL)

Outputs : 4x VGA(RGBHV), 4x STEREO AUDIO (AR/AL)

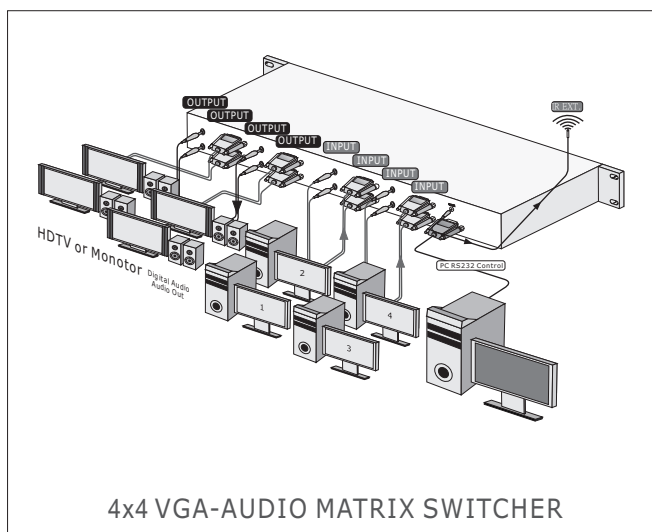


Ear Rack: 1U-440L

INTRODUCTION

SB-4144 is a true (4) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4144 4x4 VGA -Audio Matrix Switcher



4x4 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (4) inputs to (4) outputs VGA & Audio Matrix Switcher
- Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Output signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel.
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 Mhz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
 - Support RS232 interface control AP driver for PC 95/98/2000/xp
- A Windows-based control software Driver packaged
 - Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 950mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (4) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Resolution supports : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Video Bandwidth : Response range : 20Hz ~ 20KHz
- Audio Frequency : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Bandwidth : (4)x Video (VGA-RGBHV) use D-sub HD15P connectors
- Input : (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Output : (4)x Video (VGA-RGBHV) use D-sub HD15P connectors
- (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Input status LEDs indicates presence of a live signal
- Source Status
- Gain Flatness : 90 Mhz , 0.1 dB
- Differential Gain Error : 0.01%, 0.1 dB
- Differential Phase Error : 0.02 , 0.1 dB (RL=150 W)
- Fast settling time : 15ns To 0.1%
- All Hostile Crosstalk : -83 db @ 5 Mhz, -54 dB @ 50 Mhz
- Channel Crosstalk : -56 db @ 100 Mhz
- Slew Rate : 1000 V/us, G=+1.2 V Step
- High OFF Isolation : -100 dB@10MHz
- Output Current : 100 mA
- Infrared Frequency : 38KHz
- Switch Controls :
 - 1x Select Function buttons on front panel (Data status via LCD panel show out)
 - 1x IR Remote Controller (switch control)
 - 1x RS 232 series interface (switch control)
- (8) Function key Control:
 - 1.Destination button (1) thru (4), 2.Source button (1) thru (4)
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH) : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- Rack Mount : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Net Weight (Unit Only) : About 2.45kg / 5.4 lb
- Power Voltage Input : DC 12V @ 2A , Use Universal switch Type 50/60Hz, 100~240 VAC

SB-4144LCM

4x4 VGA & AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX RS-232 PRO

Inputs : 4x VGA(RGBHV), 4x STEREO AUDIO (3.5mm OD Jack)

Output : 4x VGA(RGBHV), 4x STEREO AUDIO (3.5mm OD Jack)

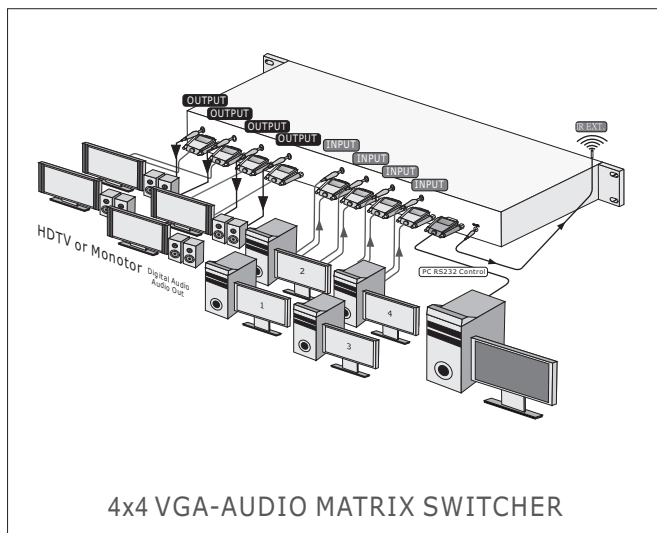


Ear Rack: 1U-440L

INTRODUCTION

SB-4144LCM is a true (4) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4144LCM 4x4 VGA -Audio Matrix Switcher



4x4 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (4) inputs to (4) outputs VGA & Audio Over CAT5 Matrix Switcher.
- Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack).
- Output signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack).
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals.
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Responses Range : 20Hz ~ 20KHz.
- Supported selection push buttons direct channel on front panel.
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 Mhz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector,
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys:
 - Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/XP
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1050 mA
- Power supply DC12V/Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (4) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
- Resolution supports : VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Video Bandwidth : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Audio Frequency : Response range : 20Hz ~ 20KHz
- Audio Bandwidth : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Input : (4)x Video (VGA-RGBHV) use D-sub HD15P connectors
(4)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Output : (4)x Video (VGA-RGBHV) use D-sub HD15P connectors
(4)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Source Status : Input status LEDs indicates presence of a live signal
- Gain Flatness : 90 Mhz , 0.1 dB
- Differential Gain Error : 0.01%, 0.1 dB
- Differential Phase Error : 0.02 , 0.1 dB (RL=150 W)
- Fast settling time : 15ns To 0.1%
- All Hostile Crosstalk : -83 db @ 5 MHz, -54 dB @ 50 MHz
- Channel Crosstalk : -56 db @ 100 MHz
- Slew Rate : 1000 V/us, G=+1.2 V Step
- High OFF Isolation : -100 dB@10MHz
- Output Current : 100 mA
- Infrared Frequency : 38KHz
- IR External Distance : ~984 feet / 300 meters maximum.
- Switch Controls :
 - 1x Select Function buttons on front panel (Data status via LCM panel show out)
 - 1x IR Remote Controller (switch control)
 - 1x IR External port (switch control)
 - 1x RS 232 series interface (switch control)
- (14) Function key Control:
 - 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK,
 - 7.Destination button (1) thru (4), 8.Source button (1) thru (4).
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH) : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- Rack Mount : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Net Weight (Unit Only) : About 2.45kg / 5.4 lb
- Power Voltage Input : DC 12V @ 2A , Use Universal switch Type 50/60Hz, 100~240 VAC

SB-4144TB

4x4 VGA-AUDIO MATRIX SWITCHER

VGA

AUDIO

MATRIX

Terminal Block

PRO

Inputs : 4x VGA(RGBHV), 4x STEREO AUDIO (Terminal Block 5-pins sockets)

Output : 4x VGA(RGBHV), 4x STEREO AUDIO (Terminal Block 5-pins sockets)

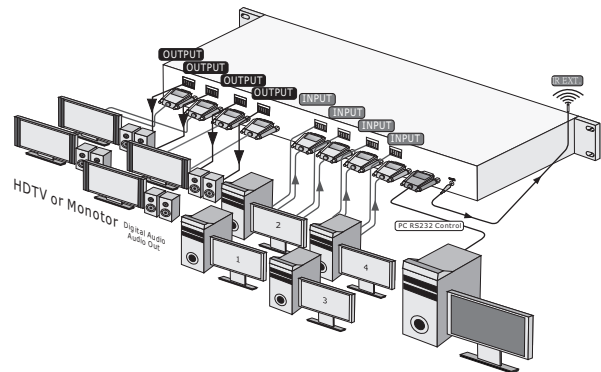


Ear Rack: 1U-440L

INTRODUCTION

SB-4144TB is a true (4) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA and Audio product. It is an (4) individual VGA & Stereo Audio(AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio(use Terminal Block 5pins Female Sockets) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4144TB 4x4 VGA -Audio Matrix Switcher



4x4 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (4) inputs to (4) outputs VGA & Audio Matrix Switcher
- Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Output signals via (4)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response Range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys:
 - Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/XP
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1250 mA
- Power supply DC12V/volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (4) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Resolution supports : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
- Video Bandwidth : R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Audio Frequency : Response range : 20Hz ~ 20KHz
- Audio Bandwidth : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Input : (4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
- Output : (4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
- Source Status : Input status LEDs indicates presence of a live signal
- Gain Flatness : 90 Mhz , 0.1 dB
- Differential Gain Error : 0.01%, 0.1 dB
- Differential Phase Error : 0.02 , 0.1 dB (RL=150 W)
- Fast settling time: 15ns To 0.1%
- All Hostile Crosstalk : -83 db @ 5 MHz, -54 dB @ 50 MHz
- Channel Crosstalk : -56 db @ 100 MHz
- Slew Rate : 1000 V/us, G=+1,2 V Step
- High OFF Isolation : -100 dB@10MHz
- Output Current : 100 mA
- Infrared Frequency : 38KHz
- IR External Distance: ~984 feet / 300 meters maximum.
- Switch Controls :
 - 1x Select Function buttons on front panel (Data status via LCM panel show out)
 - 1x IR Remote Controller (switch control)
 - 1x IR External port (switch control)
 - 1x RS 232 series interface (switch control)
- (14) Function Key Control:
 - 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (4), 8.Source button (1) thru (4)
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH) : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- Rack Mount : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Net Weight (Unit Only) : About 2.45kg / 5.4 lb
- Power Voltage Input : DC 12V @ 2A ; Use Universal switch Type 50/60Hz, 100~240 VAC

SB-4148

4x8 VGA & AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX RS-232 PRO

Inputs : 4x VGA(RGBHV), 4x STEREO AUDIO (AR/AL)

Outputs : 8x VGA(RGBHV), 8x STEREO AUDIO (AR/AL)

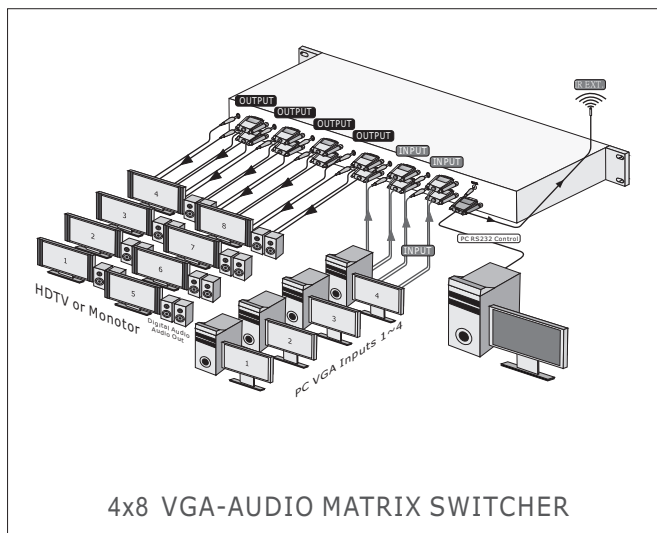


Ear Rack: 1U-440L

INTRODUCTION

SB-4148 is a true (4) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (4) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4148 4x8 VGA -Audio Matrix Switcher



4x8 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (4) inputs to (8) outputs VGA & Audio Matrix Switcher
- Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Output signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support RS232 interface control AP driver for PC 95/98/2000/xp
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1140mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (4) inputs to (8) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
- Resolution supports : VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Video Bandwidth : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Audio Frequency : Response range : 20Hz ~ 20KHz
- Audio Bandwidth : 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Input : (4)x Video (VGA-RGBHV) use D-sub HD15P connectors
(4)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Output : (8)x Video (VGA-RGBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Source Status
- Gain Flatness : Input status LEDs indicates presence of a live signal
- Differential Gain Error : 90 MHz , 0.1 dB
- Differential Phase Error : 0.01%, 0.1 dB
- Fast settling time : 0.02 , 0.1 dB (RL=150 W)
- All Hostile Crosstalk : 15ns To 0.1%
- Channel Crosstalk : -83 db @ 5 MHz, -54 dB @ 50 MHz
- Slew Rate : -56 db @ 100 MHz
- High OFF Isolation : 1000 V/us, G=+1.2 V Step
- Output Current : -100 dB@10MHz
- Infrared Frequency : 100 mA
- IR External Distance : 38KHz
- Switch Controls : ~984 feet / 300 meters maximum.
- (12) Function key Control : 1x Select Function buttons on front panel (Data status via LCD panel show out)
- Chassis Material : 1x IR Remote Controller (switch control)
- Safety Approvals : 1x RS 232 series interface (switch control)
- Dimensions (LxWxH) : 1. Destination button (1) thru (8), 2.Source button (1) thru (4)
- Rack Mount : Metal thin = 1 mm
- Net Weight (Unit Only) : CE, FCC, VCCI, Erp, WEEE
- Power Voltage Input : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- DC 12V @ 2A , Use Universal switch Type 50/60Hz, 100~240 VAC

SB-4148TB

4x8 VGA-AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX Terminal Block PRO

Inputs : 4x VGA(RGBHV), 4x STEREO AUDIO (Terminal Block 5-pins sockets)

Output : 8x VGA(RGBHV), 8x STEREO AUDIO (Terminal Block 5-pins sockets)

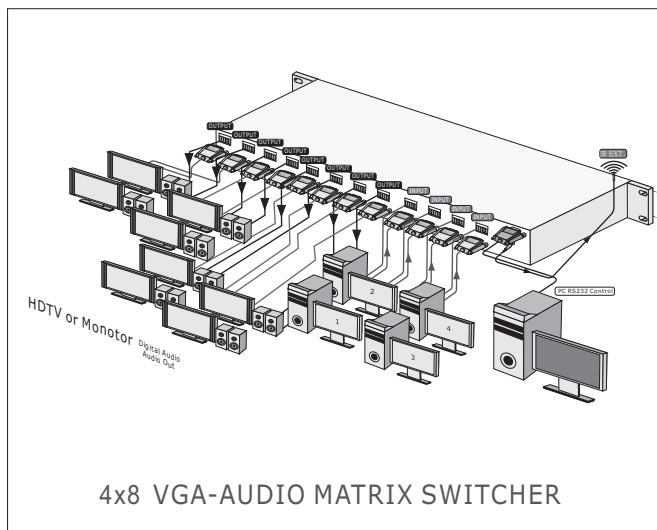


Ear Rack: 1U-440L

INTRODUCTION

SB-4148TB is a true (4) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA and Audio product. It is an (4) individual VGA & Stereo Audio(AR/AL) inputs with (8) individual VGA(RGBHV) & Stereo Audio(use Terminal Block 5pins Female Sockets) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (4) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4148TB 4x8 VGA -Audio Matrix Switcher



4x8 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (4) inputs to (8) outputs VGA & Audio Matrix Switcher
- Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Output signals via (8)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response Range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys:
 - Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/XP
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1250 mA
- Power supply DC12V/olt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (4) inputs to (8) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
- Resolution supports : VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Video Bandwidth : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Audio Frequency : Response range : 20Hz ~ 20KHz
- Audio Bandwidth : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Input : (4)x Video (VGA-RGBHV) use D-sub HD15P connectors
(4)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
- Output : (8)x Video (VGA-RGBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
- Source Status : Input status LEDs indicates presence of a live signal
- Gain Flatness : 90 MHz , 0.1 dB
- Differential Gain Error : 0.01%, 0.1 dB
- Differential Phase Error : 0.02 , 0.1 dB (RL=150 W)
- Fast settling time: 15ns To 0.1%
- All Hostile Crosstalk : -83 db @ 5 MHz, -54 dB @ 50 MHz
- Channel Crosstalk : -56 db @ 100 MHz
- Slew Rate : 1000 V/us, G=+1.2 V Step
- High OFF Isolation : -100 dB@10MHz
- Output Current : 100 mA
- Infrared Frequency : 38KHz
- IR External Distance : ~984 feet / 300 meters maximum.
- Switch Controls :
 - 1x Select Function buttons on front panel (Data status via LCM panel show out)
 - 1x IR Remote Controller (switch control)
 - 1x IR External port (switch control)
 - 1x RS 232 series interface (switch control)
- (18) Function key Control:
 - 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK,
 - 7.Destination button (1) thru (8), 8.Source button (1) thru (4)
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH) : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- Rack Mount : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Net Weight (Unit Only) : About 2.45kg / 5.4 lb
- Power Voltage Input : DC 12V @ 2A ; Use Universal switch Type 50/60Hz, 100~240 VAC

SB-8206

8x2 VGA & AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX RS-232 PRO

Inputs : 8x VGA(RGBHV), 8x STEREO AUDIO (AR/AL)

Outputs : 2x VGA(RGBHV), 2x STEREO AUDIO (AR/AL)

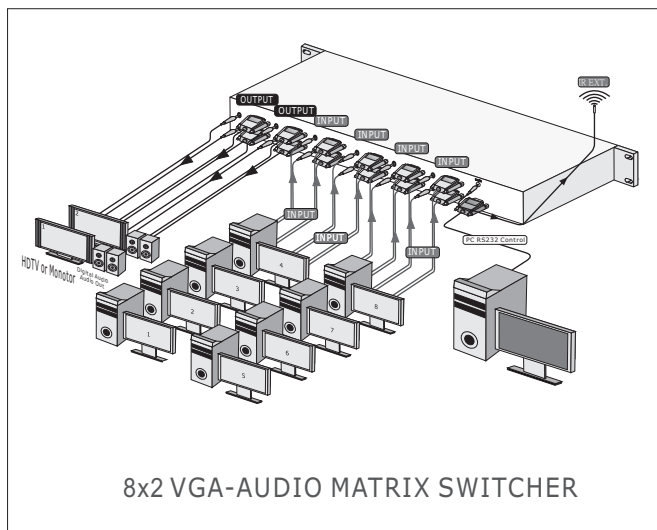


Ear Rack: 1U-440L

INTRODUCTION

SB-8206 is a true (8) in To (2) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (2) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (8) individual inputs with (2) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8206 8x2 VGA -Audio Matrix Switcher



8x2 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (8) inputs to (2) outputs VGA & Audio Matrix Switcher
- Input signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Output signals via (2)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support RS232 interface control AP driver for PC 95/98/2000/xp
A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1180mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (8) inputs to (2) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
- Resolution supports : VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Video Bandwidth : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Audio Frequency : Response range : 20Hz ~ 20KHz
- Audio Bandwidth : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Input : (8)x Video (VGA-RGBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Output : (2)x Video (VGA-RGBHV) use D-sub HD15P connectors
(2)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Source Status
- Gain Flatness : Input status LEDs indicates presence of a live signal
- Differential Gain Error : 90 MHz , 0.1 dB
- Differential Phase Error : 0.01%, 0.1 dB
- Fast settling time : 0.02 , 0.1 dB (RL=150 W)
- All Hostile Crosstalk : 15ns To 0.1%
- Channel Crosstalk : -83 db @ 5 MHz, -54 dB @ 50 MHz
- Slew Rate : -56 db @ 100 MHz
- High OFF Isolation : 1000 V/us, G=+1.2 V Step
- Output Current : -100 dB@10MHz
- Infrared Frequency : 100 mA
- IR External Distance : 38KHz
- Switch Controls : ~984 feet / 300 meters maximum.
- (10) Function key Control : 1x Select Function buttons on front panel (Data status via LCD panel show out)
- Chassis Material : 1x IR Remote Controller (switch control)
- Safety Approvals : 1x RS 232 series interface (switch control)
- Dimensions (LxWxH) : 1 Destination button (1) thru (2), 2.Source button (1) thru (8).
- Rack Mount : Matal thin = 1 mm
- Net Weight (Unit Only) : CE,FCC,VCCI,Erp, WEEE
- Power Voltage Input : LxWxH= 17.32" x 7.80" x 1.73"(440mm x 200mm x 44mm)

SB-8206LCM

8x2 VGA & AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX RS-232 PRO

Inputs : 8x VGA(GBHV), 8x STEREO AUDIO (3.5mm OD Jack)

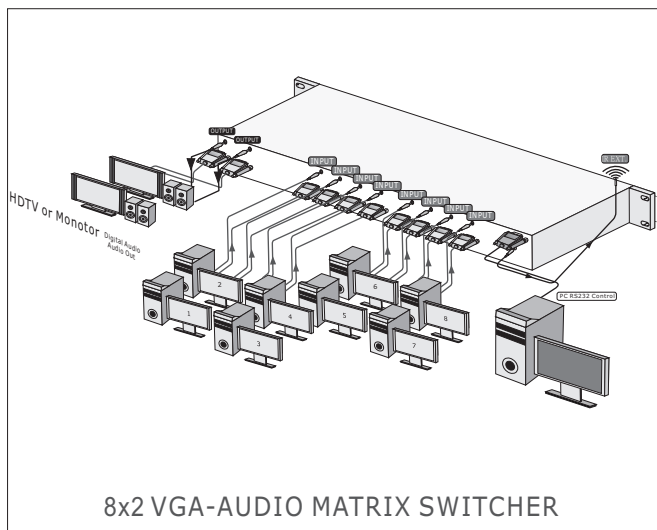
Output : 2x VGA(GBHV), 2x STEREO AUDIO (3.5mm OD Jack)



INTRODUCTION

SB-8206LCM is a true (8) in To (2) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(GBHV) & Stereo Audio(AR/AL) inputs with (2) individual VGA(GBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (8) individual inputs with (2) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8206LCM 8x2 VGA -Audio Matrix Switcher



8x2 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (8) inputs to (2) outputs VGA & Audio Over CAT5 Matrix Switcher
- Input signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Output signals via (2)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Responses Range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys:
 - Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/xp
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1150 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (8) inputs to (2) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
- Resolution supports : VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Video Bandwidth : VGA(GBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Audio Frequency : Response range : 20Hz ~ 20KHz
- Audio Bandwidth : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Input : (8)x Video (VGA-GBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use 3.5mm OD Jacks
(2)x Video (VGA-GBHV) use D-sub HD15P connectors
(2)x Audio (Stereo Audio) use 3.5mm OD Jacks
Input status LEDs indicates presence of a live signal
- Output : 90 MHz , 0.1 dB
- Source Status : 0.01%, 0.1 dB
- Gain Flatness : 0.02 , 0.1 dB (RL=150 W)
- Differential Gain Error : 15ns To 0.1%
- Differential Phase Error : -83 db @ 5 MHz, -54 dB @ 50 MHz
- Fast settling time : -56 db @ 100 MHz
- All Hostile Crosstalk : 1000 V/us, G=+1.2 V Step
- Channel Crosstalk : -100 dB@10MHz
- Slew Rate : 100 mA
- High OFF Isolation : 38KHz
- Output Current : ~984 feet / 300 meters maximum.
- Infrared Frequency : 1x Select Function buttons on front panel (Data status via LCM panel show out)
- IR External Distance : 1x IR Remote Controller (switch control)
- Switch Controls : 1x IR External port (switch control)
- (16) Function key Control : 1x RS 232 series interface (switch control)
- 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (2), 8.Source button (1) thru (8)
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH) : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- Rack Mount : 1RU High 19 "Rack Mount#1U-440L (with rack mount)
- Net Weight (Unit Only) : About 2.45kg / 5.4 lb
- Power Voltage Input : DC 12V @ 2A , Use Universal switch Type 50/60Hz, 100~240 VAC

SB-8206TB

8x2 VGA-AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX Terminal Block PRO

Inputs : 8x VGA(RGBHV), 8x STEREO AUDIO (Terminal Block 5-pins sockets)

Output : 2x VGA(RGBHV), 2x STEREO AUDIO (Terminal Block 5-pins sockets)

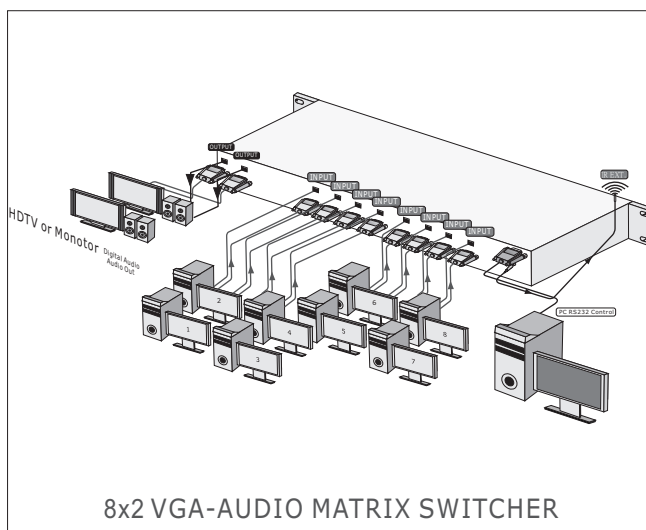


Ear Rack: 1U-440L

INTRODUCTION

SB-8206TB is a true (8) in To (2) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA and Audio product. It is an (8) individual VGA & Stereo Audio(AR/AL) inputs with (2) individual VGA(RGBHV) & Stereo Audio(use Terminal Block 5pins Female Sockets) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (8) individual inputs with (2) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8206TB 8x2 VGA -Audio Matrix Switcher



8x2 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (8) inputs to (2) outputs VGA & Audio Matrix Switcher
- Input signals via (8)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Output signals via (2)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response Range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys:
 - Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/xp
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1250 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (8) inputs to (2) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Resolution supports : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
- Video Bandwidth : R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Audio Frequency : Response range : 20Hz ~ 20KHz
- Audio Bandwidth : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Input : (8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use Terminal Block 5pin Sockets (2)x Video (VGA-RGBHV) use D-sub HD15P connectors (2)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
- Output : Input status LEDs indicates presence of a live signal
- Source Status : 90 MHz, 0.1 dB
- Gain Flatness : 0.01%, 0.1 dB
- Differential Gain Error : 0.02 , 0.1 dB (RL=150 W)
- Differential Phase Error : 15ns To 0.1%
- Fast settling time: -83 db @ 5 MHz, -54 dB @ 50 MHz
- All Hostile Crosstalk : -56 db @ 100 MHz
- Channel Crosstalk : 1000 V/us, G=+1.2 V Step
- Slew Rate : -100 dB@10MHz
- High OFF Isolation : 100 mA
- Output Current : 38KHz
- Infrared Frequency : ~984 feet / 300 meters maximum.
- IR External Distance: 1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS 232 series interface (switch control)
- Switch Controls : 1x RS 232 series interface (switch control)
- (16) Function Key Control: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (2), 8.Source button (1) thru (8)
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH) : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- Rack Mount : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Net Weight (Unit Only) : About 2.45kg / 5.4 lb
- Power Voltage Input : DC 12V @ 2A, Use Universal switch Type 50/60Hz, 100~240 VAC

SB-4184

8x4 VGA & AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX RS-232 PRO

Inputs : 8x VGA(RGBHV), 8x STEREO AUDIO (AR/AL)

Outputs : 4x VGA(RGBHV), 4x STEREO AUDIO (AR/AL)

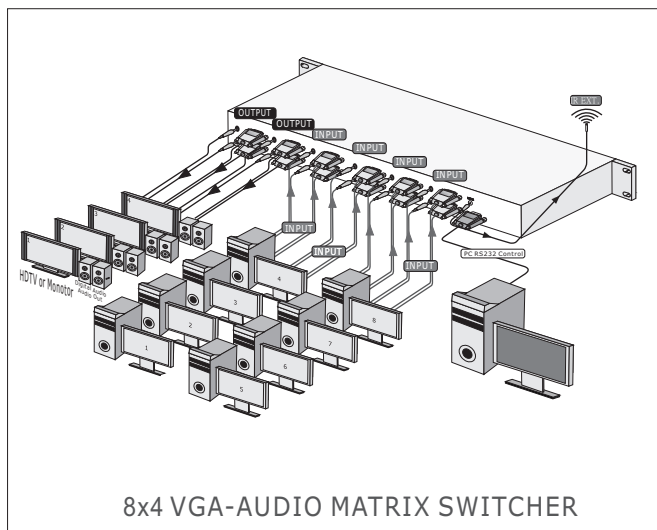


Ear Rack: 1U-440L

INTRODUCTION

SB-4184 is a true (8) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (8) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4184 8x4 VGA -Audio Matrix Switcher



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FEATURES

- Support (8) inputs to (4) outputs VGA & Audio Matrix Switcher
- Input signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Output signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support RS232 interface control AP driver for PC 95/98/2000/xp
A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1180mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (8) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Resolution supports : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Video Bandwidth : Response range : 20Hz ~ 20KHz
60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency : (8)x Video (VGA-RGBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Audio Bandwidth : (4)x Video (VGA-RGBHV) use D-sub HD15P connectors
(4)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Input : Input status LEDs indicates presence of a live signal
90 MHz , 0.1 dB
- Output : 0.01%, 0.1 dB
- Source Status
- Gain Flatness : 0.02 , 0.1 dB (RL=150 W)
- Differential Gain Error : 15ns To 0.1%
- Differential Phase Error : -83 db @ 5 MHz, -54 dB @ 50 MHz
- Fast settling time : -56 db @ 100 MHz
- All Hostile Crosstalk : 1000 V/us, G=+1.2 V Step
- Channel Crosstalk : -100 dB@10MHz
- Slew Rate : 100 mA
- High OFF Isolation : 38KHz
- Output Current : ~984 feet / 300 meters maximum.
- Infrared Frequency : 1x Select Function buttons on front panel (Data status via LCD panel show out)
- IR External Distance : 1x IR Remote Controller (switch control)
- Switch Controls : 1x RS 232 series interface (switch control)
- (12) Function key Control : 1.Destination button (1) thru (4), 2.Source button (1) thru (8)
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH) : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- Rack Mount : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Net Weight (Unit Only) : About 2.45kg / 5.4 lb
- Power Voltage Input : DC 12V @ 2A , Use Universal switch Type 50/60Hz, 100~240 VAC

SB-4184LCM

8x4 VGA & AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX RS-232 PRO

Inputs : 8x VGA(RGBHV), 8x STEREO AUDIO (3.5mm OD Jack)

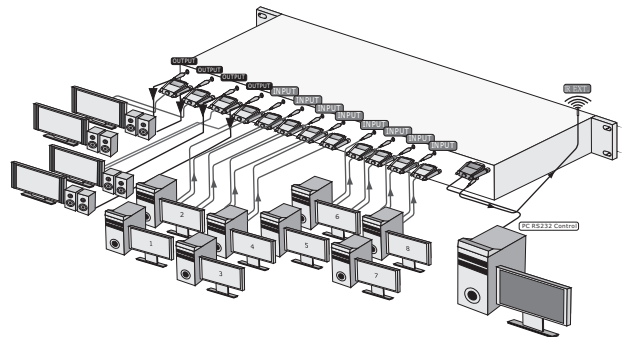
Output : 4x VGA(RGBHV), 4x STEREO AUDIO (3.5mm OD Jack)



INTRODUCTION

SB-4184LCM is a true (8) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (8) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4184LCM 8x4 VGA -Audio Matrix Switcher



8x4 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (8) inputs to (4) outputs VGA & Audio Over CAT5 Matrix Switcher
- Input signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Output signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Responses Range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys:
 - Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/xp
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1050 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (8) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
- Resolution supports : VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Video Bandwidth : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Audio Frequency : Response range : 20Hz ~ 20KHz
- Audio Bandwidth : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Input : (8)x Video (VGA-RGBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use 3.5mm OD Jacks
(4)x Video (VGA-RGBHV) use D-sub HD15P connectors
(4)x Audio (Stereo Audio) use 3.5mm OD Jacks
Input status LEDs indicates presence of a live signal
- Output : 90 Mhz , 0.1 dB
- Source Status : 0.01%, 0.1 dB
- Gain Flatness : 0.02 , 0.1 dB (RL=150 W)
- Differential Gain Error : 15ns To 0.1%
- Differential Phase Error : -83 db @ 5 MHz, -54 dB @ 50 MHz
- Fast settling time : -56 db @ 100 MHz
- All Hostile Crosstalk : 1000 V/us, G=+1.2 V Step
- Channel Crosstalk : -100 dB@10MHz
- Slew Rate : 100 mA
- High OFF Isolation : 38KHz
- Output Current : ~984 feet / 300 meters maximum.
- Infrared Frequency : 1x Select Function buttons on front panel (Data status via LCM panel show out)
- IR External Distance : 1x IR Remote Controller (switch control)
- Switch Controls : 1x IR External port (switch control)
- (18) Function key Control : 1x RS 232 series interface (switch control)
- 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (4), 8.Source button (1) thru (8)
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH) : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- Rack Mount : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Net Weight (Unit Only) : About 2.45kg / 5.4 lb
- Power Voltage Input : DC 12V @ 2A , Use Universal switch Type 50/60Hz, 100~240 VAC

SB-4184TB

8x4 VGA-AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX Terminal Block PRO

Inputs : 8x VGA(RGBHV), 8x STEREO AUDIO (Terminal Block)

Output : 4x VGA(RGBHV), 4x STEREO AUDIO (Terminal Block)

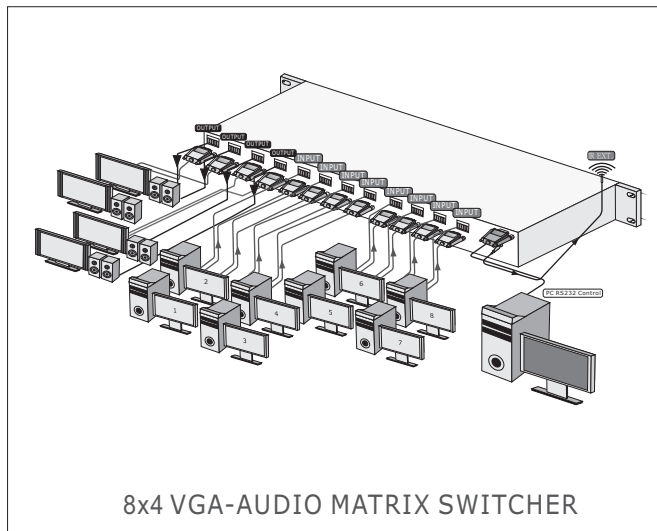


Ear Rack: 1U-440L

INTRODUCTION

SB-4184TB is a true (8) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA and Audio product. It is an (8) individual VGA & Stereo Audio(AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio(use Terminal Block 5pins Female Sockets) outputs. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (8) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-4184TB 8x4 VGA -Audio Matrix Switcher



8x4 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (8) inputs to (4) outputs VGA & Audio Over CAT5 Matrix Switcher
- Input signals via (8)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Output signals via (4)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response Range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys: Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/xp
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1250 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (8) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
- Resolution supports : VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Video Bandwidth : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Response range : 20Hz ~ 20KHz
- Audio Frequency : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Bandwidth : (8)x Video (VGA-RGBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
(4)x Video (VGA-RGBHV) use D-sub HD15P connectors
(4)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
- Input : Input status LEDs indicates presence of a live signal.
- Output :
- Source Status : 90 Mhz , 0.1 dB
- Gain Flatness : 0.01% , 0.1 dB
- Differential Gain Error : 0.02 , 0.1 dB (RL=150 W)
- Differential Phase Error : 15ns To 0.1%
- Fast settling time: -83 dB @ 5 MHz, -54 dB @ 50 MHz
- All Hostile Crosstalk : -56 dB @ 100 MHz
- Channel Crosstalk : 1000 V/us, G=+1.2 V Step
- Slew Rate : -100 dB@10MHz
- High OFF Isolation : 100 mA
- Output Current : 38KHz
- Infrared Frequency : ~984 feet / 300 meters maximum
- Switch Controls : 1x Select Function buttons on front panel (Data status via LCM panel show out)
1x IR Remote Controller (switch control)
1x IR External port (switch control)
1x RS 232 series interface (switch control)
- (18) Function key Control : 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (4), 8.Source button (1) thru (8)
Metal thin = 1 mm
- Chassis Material : CE, FCC, VCCI, Erp, WEEE
- Safety Approvals : 17.32 "x 7.80 "x 1.73 "(440mm x 200mm x 44mm)
- Dimensions (LxWxH) : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Rack Mount : About 2.45kg / 5.4 lb
- Net Weight (Unit Only) : DC 12V @ 2A , Use Universal switch Type 50/60Hz, 100~240 VAC
- Power Voltage Input :

SB-8180LCM

8x8 VGA MATRIX SWITCHER

VGA MATRIX SWITCHER PRO

Inputs : 8x VGA(RGBHV)

Outputs : 8x VGA(RGBHV)

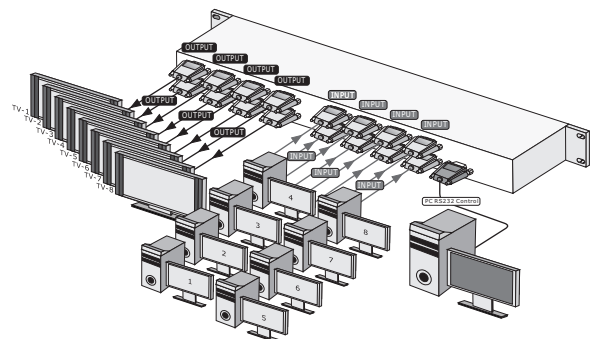


Ear Rack: 1U-440L

INTRODUCTION

SB-8180LCM is a high speed Video Bandwidth 310MHz, Maximum 380Mhz VGA Matrix switching product. Its one of the most innovative VGA/RGBHV switching product on the market Today. Support 19 inch Ear mount pair part number #1U-440L and MRM is 19 inch Rack mount type. It has 8 individual inputs with 8 individual outputs. Because it is a matrix router, any input may be routed to any output; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around VGA input and output cables. This matrix switcher is ideally suited for full HD High Definition LCD TV or Plasma display monitor applications. Control is provided via Front push buttons with LED readout or IR remote controller. A RS232 interface is provided for interfacing with third party control. A Windows-based control software package is included to provide complete control of the SB-8180 from a PC.

SB-8180LCM VGA MATRIX SWITCHER 8x8



8x8 VGA MATRIX SWITCHER

FEATURES

1. Support 8 inputs to 8 outputs VGA Matrix Switcher
2. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
3. Video Bandwidth : 380MHz (-3dB), 200 mVp-p
4. Excellent Video(VGA-RGBHV) and Stereo Audio Performance
5. Low all hostile crosstalk of -83 dB @ 5 Mhz
6. Excellent ESD rating : exceeds 4000 V
7. Switching RGBHV in LCD monitors and plasma displays
8. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
9. Direct selection and confirm via Front pushbuttons with LED readout
10. Infrared : IR remote control (38KHz)
11. Support RS 232 interface control driver for 95/98/2000/xp
A Windows-based control software Driver packaged
12. RS 232 protocol list with manual attached
13. Enclosure type : Support 19 inch Ear & Rack mountable panel
14. Support Lower power consumed full load under 550 mA
15. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher : 8 inputs to 8 outputs VGA Matrix Switcher
 Video Bandwidth : 380MHz, (-3 dB) 200 mV p-p, 310MHz, (-3 dB) 2V p-p
 R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
 Gain Flatness : 90 Mhz , 0.1 dB
 Differential Gain Error : 0.01%, 0.1 dB
 Differential Phase Error : 0.02 , 0.1 dB (RL=150 Ω)
 Fast settling time: 15ns To 0.1%
 All Hostile Crosstalk : -84 db @ 5 MHz, -54 dB @ 50 MHZ
 Channel Crosstalk : -56 db @ 100 Mhz
 Slew Rate : 1000 V/μs, G=+1,2 V Step
 High OFF Isolation : -100 dB@10MHz
 Output Current : 100 mA
 Low power CMOS : 550 uA Quiescent Current
 Controls : IR Remote Controller(38KHz), Front panel selection buttons with LED readout and RS232 PC control
 Safety Approvals : CE, FCC, RoHS(2002/95/EC)
 Dimensions (W.D.H.): 17.32" (440mm) x 7.80" (200mm) x 3.43" (88mm)
 Net Weight (Unit Only) : About 2050 gwm (with metal case)
 Power Voltage Input : DC 12V @ 2A

SB-8188LCM

8x8 VGA & AUDIO MATRIX SWITCHER

VGA AUDIO MATRIX RS-232 PRO

Inputs : 8x VGA(RGBHV), 8x STEREO AUDIO (3.5mm OD Jack)

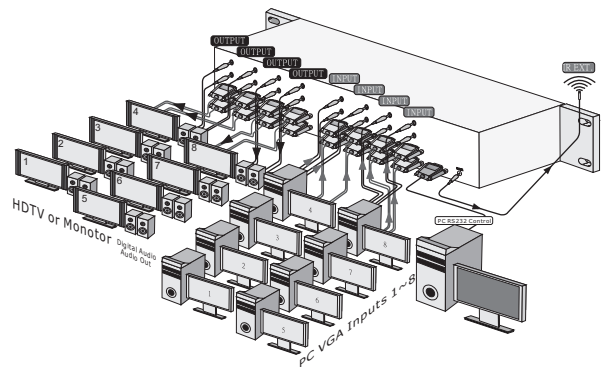
Output : 8x VGA(RGBHV), 8x STEREO AUDIO (3.5mm OD Jack)



INTRODUCTION

SB-8188LCM is a true (8) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #2U-440L and MRM is full 19 inch 2RU Rack mount part type. It support (8) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8188LCM 8x8 VGA -Audio Matrix Switcher



8x8 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (8) inputs to (8) outputs VGA & Audio Over CAT5 Matrix Switcher
- Input signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Output signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Responses Range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys:
 - Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/XP
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 2U Rack mountable type panel
- Support Lower power consumed full load under 1250 mA
- Power supply DC12Volt, Universal Type Switch 100-240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (8) inputs to (8) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
- Resolution supports : VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Video Bandwidth : VGA(RGBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
- Audio Frequency : Response range : 20Hz ~ 20KHz
- Audio Bandwidth : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Input : (8)x Video (VGA-RGBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use 3.5mm OD Jacks
(8)x Video (VGA-RGBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use 3.5mm OD Jacks
- Output : Input status LEDs indicates presence of a live signal
- Source Status : 90 MHz , 0.1 dB
- Gain Flatness : 0.01%, 0.1 dB
- Differential Gain Error : 0.02 , 0.1 dB (RL=150 W)
- Differential Phase Error : 15ns To 0.1%
- Fast settling time : -83 db @ 5 MHz, -54 dB @ 50 MHz
- All Hostile Crosstalk : -56 db @ 100 MHz
- Channel Crosstalk : 1000 V/us, G=+1.2 V Step
- Slew Rate : -100 dB@10MHz
- High OFF Isolation : 100 mA
- Output Current : 38KHz
- Infrared Frequency : ~984 feet / 300 meters maximum.
- IR External Distance : 1x Select Function buttons on front panel (Data status via LCM panel show out)
- Switch Controls : 1x IR Remote Controller (switch control)
1x IR External port (switch control)
1x RS 232 series interface (switch control)
- (22) Function key Control : 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK,
7.Destination button (1) thru (8), 8.Source button (1) thru (8)
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, REACH, Erp, WEEE
- Dimensions (LxWxH) : 17.32 "x 7.80 "x 3.43 "(440mm x 200mm x 88mm)
- Rack Mount : 2RU High 19 "Rack Mount #2U-440L (with rack mount)
- Net Weight (Unit Only) : About 3.4kg / 7.5 lb
- Power Voltage Input : DC 12V @ 2A , Use Universal switch Type 50/60Hz, 100-240 VAC

SB-8188TB

8x8 VGA-AUDIO MATRIX SWITCHER

VGA

AUDIO

MATRIX

Terminal Block

PRO

Inputs : 8x VGA(GBHV), 8x STEREO AUDIO (Terminal Block)

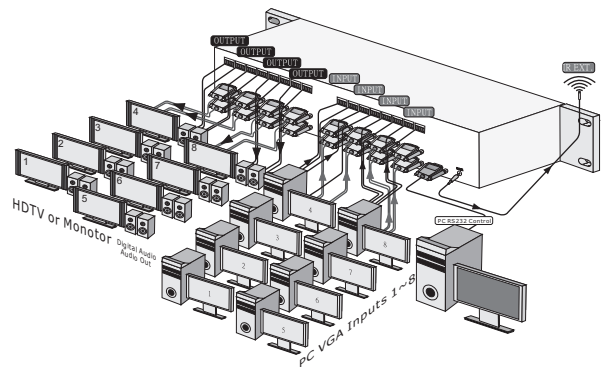
Output : 8x VGA(GBHV), 8x STEREO AUDIO (Terminal Block)



INTRODUCTION

SB-8188TB is a true (8) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA and Audio product. It is an (8) individual VGA & Stereo Audio(AR/AL) inputs with (8) individual VGA(GBHV) & Stereo Audio(use Terminal Block 5pins Female Sockets) outputs. Support 19 inch Ear mount pair part number #2U-440L and MRM is full 19 inch 2RU Rack mount part type. It support (8) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8188TB 8x8 VGA -Audio Matrix Switcher



8x8 VGA-AUDIO MATRIX SWITCHER

FEATURES

- Support (8) inputs to (8) outputs VGA & Audio Matrix Switcher
- Input signals via (8)x analog VGA (GBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Output signals via (8)x analog VGA (GBHV) and Stereo Audio (Terminal Block 5pin Sockets)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450 MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response Range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83 dB @ 5 MHz
- Excellent ESD rating : exceeds 4000 V
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide (6)x control function keys:
Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
- Support RS232 interface control AP driver for PC 95/98/2000/XP
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 2U Rack mountable type panel
- Support Lower power consumed full load under 1250 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of VGA switcher : (8) inputs to (8) outputs VGA and Stereo Audio Matrix Switcher
- Video Support : Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
- Resolution supports : VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
- Video Bandwidth : VGA(GBHV) : 425MHz, (-3 dB) 200 mV p-p, 450MHz, (-3 dB) 2V p-p
R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Response range : 20Hz ~ 20KHz
- Audio Frequency : 60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Bandwidth : 60MHz
- Input : (8)x Video (VGA-GBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
(8)x Video (VGA-GBHV) use D-sub HD15P connectors
(8)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
Input status LEDs indicates presence of a live signal
- Output : 90 MHz, 0.1 dB
- Source Status : 0.01%, 0.1 dB
- Gain Flatness : 0.02, 0.1 dB (RL=150 W)
- Differential Gain Error : 15ns To 0.1%
- Differential Phase Error : -83 dB @ 5 MHz, -54 dB @ 50 MHz
- Fast settling time : -56 dB @ 100 MHz
- All Hostile Crosstalk : 1000 V/us, G=+1.2 V Step
- Channel Crosstalk : -100 dB@10MHz
- Slew Rate : 100 mA
- High OFF Isolation : 38KHz
- Output Current : ~984 feet / 300 meters maximum.
- Infrared Frequency : 1x Select Function buttons on front panel (Data status via LCM panel show out)
- IR External Distance : 1x IR Remote Controller (switch control)
- Switch Controls : 1x IR External port (switch control)
- 1x RS 232 serial interface (switch control)
- (22) Function key Control : 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (8), 8.Source button (1) thru (8)
- Chassis Material : Metal thin = 1 mm
- Safety Approvals : CE, FCC, VCCI, REACH, Erp, WEEE
- Dimensions (LxWxH) : 17.32" x 7.80" x 3.43" (440mm x 200mm x 88mm)
- Rack Mount : 2RU High 19" Rack Mount #2U-440L (with rack mount)
- Net Weight (Unit Only) : About 3.4kg / 7.5 lb
- Power Voltage Input : DC 12V @ 2A, Use Universal switch Type 50/60Hz, 100~240 VAC

SB-1110

2x1:8 VGA SWITCHER DISTRIBUTION AMPLIFIER

VGA AUDIO SWITCHER

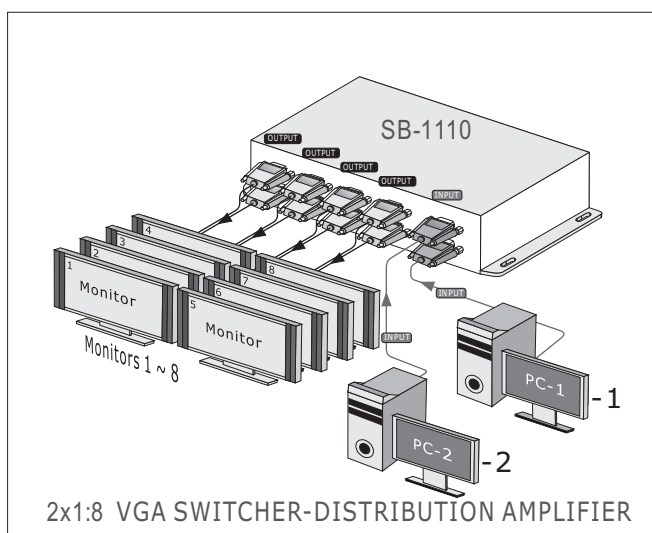
Inputs : 2x VGA(RGBHV)
Outputs : 8x VGA(RGBHV)



INTRODUCTION

SB-1110 is a high speed Video Bandwidth 310MHz, Maximum 380MHz VGA Routing switcher distribution amplifier product. It's one of the most innovative VGA switching product. There's 2 individual inputs with 8 individual outputs, any input may be routed to any outputs. It completely eliminates the need to constantly move around VGA input and output cables. This switcher distribution amplifier is suited to full HD LCD Television or Plasma display monitor applications. Control is provided via direct selection front push buttons with LED readout.

SB-1110 VGA DISTRIBUTION AMPLIFIER 2x1:8



FEATURES

1. Support 2 inputs to 8 outputs VGA Switcher Distribution Amplifier
2. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
3. Video Bandwidth : 380MHz (-3dB), 200 mVp-p
4. Excellent Video(VGA-RGBHV) and Stereo Audio Performance
5. Low all hostile crosstalk of -83 dB @ 5 MHz
6. Excellent ESD rating : exceeds 4000 V
7. Switching RGBHV in LCD monitors and plasma displays
8. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
9. Direct selection and confirm via front push buttons with LED readout
10. Support Lower power consumed full load under 550 mA
11. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

1. Type of switcher : 2 inputs to 8 outputs VGA Switcher Distribution Amplifier
2. Video Bandwidth : 380MHz, (-3 dB) 200 mV p-p, 310MHz, (-3 dB) 2V p-p
R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
3. Gain Flatness : 90 MHz , 0.1 dB
4. Differential Gain Error : 0.01%, 0.1 dB
5. Differential Phase Error : 0.02 , 0.1 dB (RL=150 W)
6. Fast settling time: 15ns To 0.1%
7. All Hostile Crosstalk : -84 db @ 5 MHz, -54 dB @ 50 MHz
8. Channel Crosstalk : -56 db @ 100 MHz
9. Slew Rate : 1000 V/us, G=+1,2 V Step
10. High OFF Isolation : -100 dB@10MHz
11. Output Current : 100 mA
12. Low power CMOS : 550 uA Quiescent Current
13. Controls : front panel selection buttons with LED readout
14. Safety Approvals : CE, FCC, VCCI, Erp, WEEE
15. Dimensions (LxWxH) : 8.66" (220mm) x 4.48" (114mm) x 1.73" (44mm)
16. Net Weight (Unit Only) : About 0.85kg/1.87lb
17. Power Voltage Input : DC 12V @ 1.25A

SB-1102

1x2 VGA DISTRIBUTION AMPLIFIER (VGA BOOSTER) VGA EQ / LEVEL AMPLIFIER

Input : 1x VGA(GBHV)

Outputs : 2x VGA(GBHV) with Booster, 1x VGA Preview Output



INTRODUCTION

SB-1102 is a 1x Input to 2x Outputs for VGA (RGBHV) signals distribution amplifier and 2xVGA outputs support booster function. For HD high resolution VGA(640x480) SVGA (800x600), XGA(1024x768), SXGA(1280x1024) UXGA(1920x1200), WUXGA(1920x1200) Plasma Display or Monitor. Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps making it ideal as a pulse amplifier.

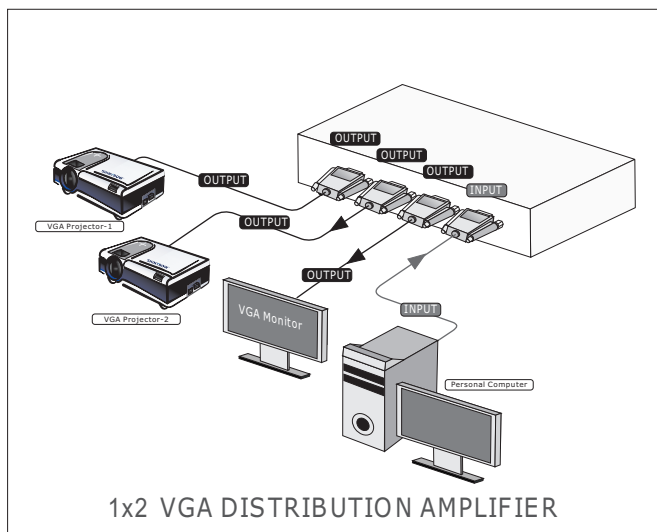
The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz(G=+2) Small signal Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048. Input and output connectors are HD-15 female type.

Support wall mountable metal cases, 1 inch high. All units are +12VDC powered and the power switch supply for 100~240VAC 50/60Hz CE,FCC approval adaptor is included.

FEATURES

1. Support 1 input to 2 outputs of Signal VGA (RGBHV) Distribution Amplifier
2. Support 2x VGA Booster output function, 1x VGA Preview
3. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
4. High VGA resolutions for VGA, SVGA, XGA, UXGA, WUXGA (1920x1200) maximum up to 2048 x 2048 resolution
5. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
6. Support Lower power consumed full load under 500mA
7. Support EQ and LEVEL adjustable +/- 6dB
8. Terminal via HD DB15P Female connector
9. Safety approvals via test passing CE, FCC, REACH, Erp, WEEE
10. Power Supply : Universal switching DC12V, 0.42A

SB-1102 VGA DISTRIBUTION AMPLIFIER 1x2



05

SPECIFICATIONS

1. Type of Amplifier : 1 input to 2 outputs VGA Distribution Amplifier
2. Type of Signals : VGA (RGBHV) via HD-15p via HD-15P female connectors
3. Large Signal Bandwidth : 440MHz, G=+2
4. Small signal Bandwidth : 1GHz (-3dB) G=+1
5. Settling Time : 10 ns to 0.1%, 2 V Step, G=+2
6. Scan rates accepted : 50Hz or 60Hz
7. Resolutions : VGA, SVGA, XGA, UXGA, WUXGA 1920x1200
9. Color Control : EQ and LEVEL adjust via 2x 1K Ohms VR on front panel
10. Safety approvals : CE, FCC, REACH, Erp, WEEE
11. Dimensions(LxWxH) : 6.93" (176mm) x 3.15" (80mm) x 1.0" (25mm)
12. Net Weight (Unit Only) : 0.5kg/1.10 lb
13. Power Supply : DC12V, 0.42A.

SB-1104

1x4 VGA DISTRIBUTION AMPLIFIER

VGA AMPLIFIER

Input : 1x VGA(RGBHV) via DB-15P Female Connector
Outputs : 4x VGA(RGBHV) via DB-15P Female Connector

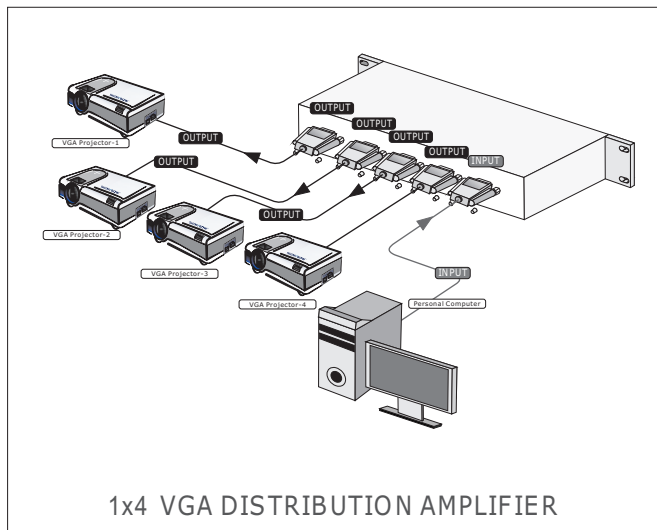


INTRODUCTION

SB-1104 is a 1x Input To 4x Outputs for VGA (RGBHV) signals distribution amplifier and For HD high resolution VGA(640x480), SVGA(800x600), XGA(1024x768), SXGA(1280x1024), UXGA(1920x1200), WUXGA(1920x1200) Plasma Display or Monitor. Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps, making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz(G=+2), Small signal Video Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048.

Input and output connectors are HD-15 female type. Support wall mountable metal cases, 1 inch high. All units are +12VDC powered and the power switch supply for 100~240VAC 50/60Hz CE,FCC approval adaptor is included.

SB-1104 VGA DISTRIBUTION AMPLIFIER 1x4



FEATURES

1. Support 1 input to 4 outputs of Signal VGA (RGBHV) Distribution Amplifier
2. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
3. High VGA resolutions for VGA, SVGA, XGA, UXGA, WUXGA (1920x1200) maximum up to 2048 x 2048 resolution
4. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
5. Support Lower power consumed full load under 500mA
6. Automatically Scan rates accepted : 50Hz or 60Hz
7. Terminal via HD DB15P Female connector

SPECIFICATIONS

- | | |
|----------------------------------|---|
| 1. Type of Amplifier : | 1 input to 4 outputs VGA Distribution Amplifier |
| 2. Type of Signals : | HD-15p via HD-15P female connectors |
| 3. Large Signal Bandwidth : | 440MHz, G=+2 |
| 4. Small signal Bandwidth : | 1GHz (-3dB) G=+1 |
| 5. Settling Time : | 10 ns to 0.1%, 2 V Step, G=+2 |
| 6. Scan rates accepted : | 50Hz or 60Hz |
| 7. Support High HD resolutions : | VGA, SVGA, XGA, UXGA, WUXGA 1920x1200 |
| 8. Gain Flatness : | 0.1 dB to 75 MHz |
| 9. High Output Drive : | 175 mA Output Load Drive |
| 10. Safety approvals : | CE, FCC, Erp, WEEE |
| 11. Dimensions(LxWxH) : | 8.27" (210mm) x 4.49"(114mm) x 1.0"(27mm) |
| 12. Net Weight (Unit Only) : | About 1760 gwm (with metal case) |
| 13. Power Supply : | DC12V, 0.66A |

SB-1108

1x8 VGA DISTRIBUTION

VGA AMPLIFIER

Input : 1x VGA(RGBHV)
Outputs : 8x VGA(RGBHV)



INTRODUCTION

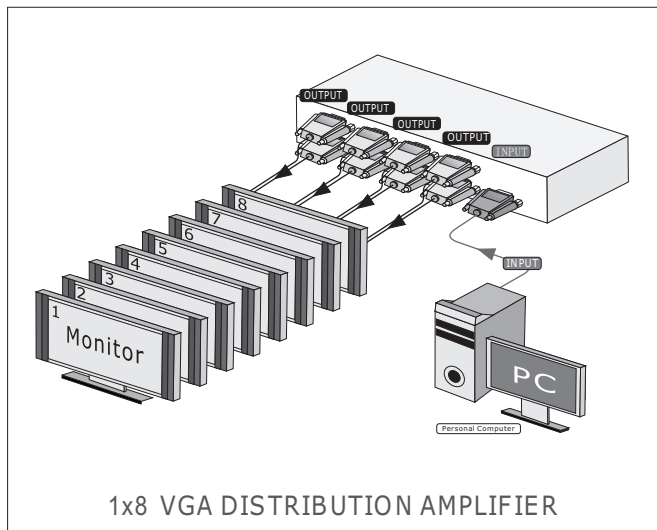
SB-1108 is a 1 Input To 8 Outputs for VGA (RGBHV) signals distribution amplifier respectively. For HD high resolution VGA (640x480) , SVGA(800x600) , XGA(1024x768) , SXGA (1280x1024), UXGA(1920x1200), WUXGA(1920x1200) Plasma Display or Monitor.

Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps, making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz(G=+2), Small signal Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048 at distances up to 150 feet away without signal deterioration. Signal quality is main-tained over a wide bandwidth with worst-case distortion of -40dBc @250MHz (G=+10, 1Vp-p). Input and output connectors are HD-15 female type. Support wall mountable metal cases, 1RU high. All units are +12VDC powered and the universal switching power 100~240VAC 50/60Hz adaptor is included.

FEATURES

1. Support 1 input to 8 outputs of Signal VGA (RGBHV) Distribution Amplifier
2. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
3. High VGA resolutions for VGA, SVGA, XGA, UXGA, WUXGA (1920x1200) maximum up to 2048 x 2048 resolution
4. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
5. Support Lower power consumed full load under 500mA
6. Automatically Scan rates accepted : 50Hz or 60Hz
7. Goods Video Specifications Gain Flatness 0.1 dB to 75 Mhz
8. High Output Drive 175 mA Output Load Drive
9. Terminal via HD DB15P Female connector
10. Power Supply : Universal switching 100~240VAC, 50/60Hz, DC12V, 0.66A

SB-1108 VGA DISTRIBUTION AMPLIFIER 1x8



1x8 VGA DISTRIBUTION AMPLIFIER

SPECIFICATIONS

1. Type of Amplifier : 1 input to 8 outputs VGA Distribution Amplifier
2. Type of Signals : VGA (RGBHV) via HD-15p via HD-15P female connectors
3. Large Signal Bandwidth : 440MHz, G=+2
4. Small signal Bandwidth : 1GHz (-3dB) G=+1
5. Settling Time : 10 ns to 0.1%, 2 V Step, G=+2
6. Scan rates accepted : 50Hz or 60Hz
7. Resolutions : VGA, SVGA, XGA, UXGA, WUXGA 1920x1200
8. Safety approvals : CE, FCC, Erp, WEEE
9. Dimensions(LxWxH) : 8.66" (220mm) x 4.49"(114mm) x 1.73"(44mm)
10. Net Weight (Unit Only) : About 0.85kg/1.87lb
11. Power Supply : Universal switching 100~240VAC, 50/60Hz, DC12V, 0.66A

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SB-1116

1x16 VGA DISTRIBUTION AMPLIFIER

VGA DISTRIBUTOR PRO

Input : 1x VGA(RGBHV)
Outputs : 16x VGA(RGBHV)

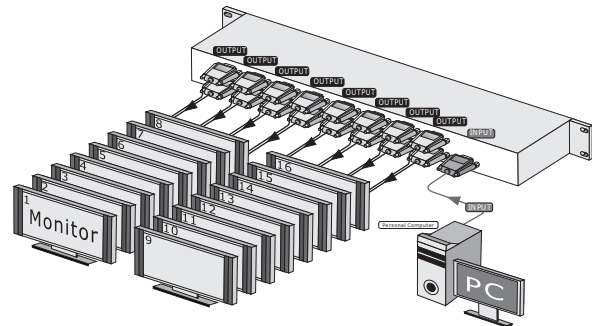


Ear Rack: 1U-440L

INTRODUCTION

SB-1116 is a 1 Input To 16 Outputs for VGA (RGBHV) signals distribution amplifier respectively. For HD high resolution VGA (640x480), SVGA(800x600), XGA(1024x768), SXGA(1280x1024) UXGA(1920x1200), WUXGA(1920x1200) Plasma Display or Monitor. Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps, making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz(G=+2), Small signal Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048 at distances up to 150 feet away without signal deterioration. Signal quality is main-tained over a wide bandwidth with worst-case distortion of -40dBc @ 250MHz (G=+10, 1Vp-p). Input and output connectors are HD-15 female type. Support wall mountable metal cases, 1RU high. All units are +12VDC powered and the universal switching power 100~240VAC 50/60Hz adaptor is included.

SB-1116 VGA DISTRIBUTION AMPLIFIER 1x16



1x16 VGA DISTRIBUTION AMPLIFIER

FEATURES

1. Support 1 input to 16 outputs of Signal VGA (RGBHV) Distribution Amplifier
2. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
3. High VGA resolutions for VGA, SVGA, XGA, UXGA, WUXGA (1920x1200) maximum up to 2048 x 2048 resolution
4. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
5. Support Lower power consumed full load under 500mA
6. Automatically Scan rates accepted : 50Hz or 60Hz
7. Goods Video Specifications Gain Flatness 0.1 dB to 75 MHz
8. High Output Drive 175 mA Output Load Drive
9. Terminal via HD DB15P Female connector
10. Enclosure Support 19" Ear rack mount pair and 1RU 19" rack mountable
11. Power Supply : Universal switching 100~240VAC, 50/60Hz, DC12V, 1.25A

SPECIFICATIONS

1. Type of Amplifier : 1 input to 16 outputs VGA Distribution Amplifier
2. Type of Signals : VGA (RGBHV) via HD-15p via HD-15P female connectors
3. Large Signal Bandwidth : 440MHz, G=+2
4. Small signal Bandwidth : 1GHz (-3dB) G=+1
5. Settling Time : 10 ns to 0.1%, 2 V Step, G=+2
6. Scan rates accepted : 50Hz or 60Hz
7. Resolutions : VGA, SVGA, XGA, UXGA, WUXGA 1920x1200
8. Safety approvals : CE, FCC, Erp, WEEE
9. Enclosure type : Support 19" ear rackmount pair for 1RU mountable
10. Dimensions(LxWxH) : 17.3" (440mm) x 7.87"(200mm) x 1.73"(44mm)
11. Net Weight (Unit Only) : About 2.45kg/5.4lb
12. Power Supply : Universal switching 100~240VAC, 50/60Hz, DC12V, 1.25A