SHINYBOW™

SB-8180LCM
8x8 VGA Matrix Switcher

Input : 8x VGA (RGBHV)
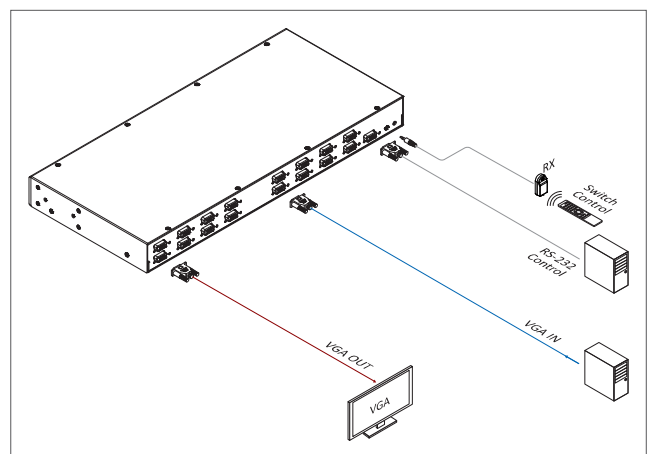Output : 8x VGA (RGBHV)

VGA | MATRIX | SWITCHER | PRO

Ear Rack : 1U-440L

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INTRODUCTION

SB-8180LCM is a high speed Video Bandwidth 310MHz, Maximum 380Mhz VGA Matrix switcher 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. 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 RS-232 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.

DIAGRAM TYPICAL

FEATURES

01. Support 8 inputs to 8 outputs VGA Matrix Switcher
02. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
03. Video Bandwidth : 380MHz (-3dB), 200 mVp-p
04. Excellent Video(VGA-RGBHV) and Stereo Audio Performance
05. Low all hostile crosstalk of -83dB @ 5MHz
06. Excellent ESD rating : exceeds 4000 V
07. Switching RGBHV in LCD monitors and plasma displays
08. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
09. Direct selection and confirm via front push buttons 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, (-3dB) 200 mV p-p, 310MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@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 RS-232 PC control
Safety Approvals	CE, FCC
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)