

SB-4140

4x4 VGA Matrix Switcher

Input : 4x VGA (RGBHV)
Output : 4x VGA (RGBHV)

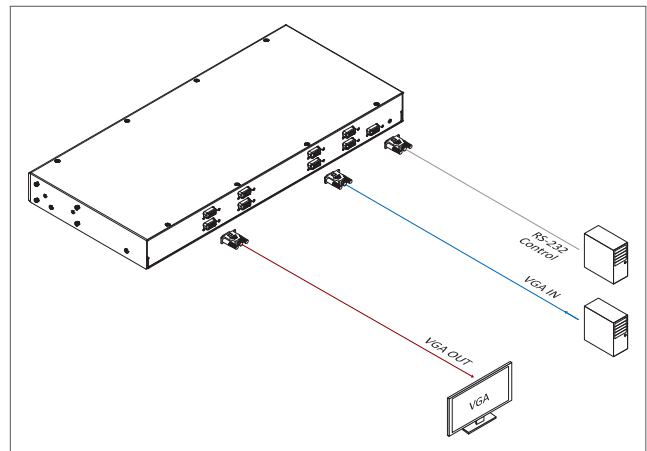
VGA MATRIX RS-232 PRO



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. 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. Control is provided front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



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FEATURES

01. Support 4 inputs to 4 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. Low all hostile crosstalk of -83dB @ 5MHz
05. Excellent ESD rating : exceeds 4000 V
06. Switching RGBHV in LCD monitors and plasma displays
07. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
08. Direct selection and confirm via Front push buttons with LED readout
09. Infrared : IR remote control (38KHz)
10. Support RS-232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
11. RS-232 protocol list with manual attached
12. Enclosure type : Support 19 inch Ear & Rack mountable panel
13. Support Lower power consumed full load under 950 mA
14. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 4 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=150 W)
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
Control	IR Remote Controller (38KHz), front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC,VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)