

GW2810 VGA Routing Switcher



GW2810 is a high performance VGA Multi Standards Video Routing switcher for computer signal and high definition video signals. The input VGA signal can be switched to any output channel. The RGBHV signals of VGA are transmitted independently each other. VGA, Composite Video, YUV Video and Audio switching boards can be mixed at any rate in the same chassis platform higher than 19" 3U, where the standby power supply makes the switcher more reliable.

Features:

- 19" 1U/3U/6U/12U standard chassis with standby power supply and remote control panel
- VGA Routing Switcher 4×1~8×8, 16×1~16×16, 32×4~32×32 or 64×4~64×64
- Video standard: VGA, Composite Video, YUV Video
- Video Connector: 15HDF for VGA, BNC for Composite Video, 3 PIN for Audio
- VGA Video Bandwidth: 250MHz
- Seamless Switching among multi signals
- Supporting Resolution: 640×480, 800×600, 1024×768, 1280×1024, 1600×1200
- Audio standard: balanced, unbalanced
- Enable video, audio alone or simultaneous switching
- Modular Design, Hot Plug-in
- Power Off Memory
- Synchronic Signal Input available.
- TCP/IP Interface, RS232, RS-422 or RS-485 Available

Specifications:

Signal Standards

Video Standards: VGA, YUV, Composite Video

Audio: Stereo (Balanced, Unbalanced)

Video Performance

Connector: 15HDF for VGA, BNC for Video

Input Level: 1Vp-p

Maximum Input: 0.5~2.0Vp-p

Impedance: 75 Ohms

Gain: 0dB

Gain Flatness: <±0.1dB

Frequency Response: <±0.1 dB (up to 6MHz)

VGA Bandwidth: 250MHz
SNR: >70 dB (Unweighted)
K-factor: <0.25%
DG: <0.05%(10-90%APL) @4.43MHz
DP: <0.1° (10-90%APL) @4.43MHz
Video Return Loss: >40dB@4.43MHz
Cross Talk: < -66 dB @4.43MHz
Switching Speed: 200ns
Path Length Diff: <±0.1° @4.43MHz
Chr/Lum Gain Inequality: <±0.15%
Chr/Lum Delay Inequality: <±2 ns
Input Level: TTL/High Impedance
Output Level: TTL/Low Impedance (33 Ohms)

Audio Performance

Connector: 3Pin (Balanced/Unbalanced)
Level: Maximum +20dBu
Input Impedance: High
CMRR: >60 dB (20Hz~20KHz)
Audio Bandwidth: 20Hz~50KHz
Gain: 0dB for balanced audio and -6dB for unbalanced audio
Gain Flatness: <±0.1dB
Frequency Response: <±0.1dB (20Hz~20KHz)
Noise: <-85dB (20KHz Weighted, RMS)
Cross Talk: <-90dB (Up to 20KHz)

Communications and Environment

Com Port: RS-232 9pin Interface, 2-RX, 3-TX, 5-GND
Protocol: 9600 bit, 8 Digit
Com Port Option: TCP/IP, RS-422, RS-485
Power Supply: 100~240V/AC 50/60Hz
Power Consumption: 40W~200W
Working Temperature: 0°C~60°C

Ordering Information:

GW2810 VGA+AV Routing Switcher (4×1 ~ 64×64)			
GW2810-401	4 x 1	VGA 250MHz Bandwidth	1U
GW2810-401S	4 x 1	VGA 250MHz Bandwidth, Stereo Audio	1U
GW2810-401VS	4 x 1	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	1U
GW2810-402	4 x 2	VGA 250MHz Bandwidth	1U
GW2810-402S	4 x 2	VGA 250MHz Bandwidth, Stereo Audio	1U
GW2810-402VS	4 x 2	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	1U
GW2810-404	4 x 4	VGA 250MHz Bandwidth	1U

GW2810-404S	4 x 4	VGA 250MHz Bandwidth, Stereo Audio	1U
GW2810-404VS	4 x 4	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	1U
GW2810-801	8 x 1	VGA 250MHz Bandwidth	1U
GW2810-801S	8 x 1	VGA 250MHz Bandwidth, Stereo Audio	3U
GW2810-801VS	8 x 1	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	3U
GW2810-802	8 x 2	VGA 250MHz Bandwidth	1U
GW2810-802S	8 x 2	VGA 250MHz Bandwidth, Stereo Audio	3U
GW2810-802VS	8 x 2	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	3U
GW2810-804	8 x 4	VGA 250MHz Bandwidth	1U
GW2810-804S	8 x 4	VGA 250MHz Bandwidth, Stereo Audio	3U
GW2810-804VS	8 x 4	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	3U
GW2810-808	8 x 8	VGA 250MHz Bandwidth	1U
GW2810-808S	8 x 8	VGA 250MHz Bandwidth, Stereo Audio	3U
GW2810-808VS	8x 8	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	3U
GW2810-816	8 x 16	VGA 250MHz Bandwidth	6U
GW2810-816S	8 x 16	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-816VS	8 x 16	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-1601	16 x 1	VGA 250MHz Bandwidth	3U
GW2810-1601S	16 x 1	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-1601VS	16 x 1	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-1602	16 x 2	VGA 250MHz Bandwidth	3U
GW2810-1602S	16 x 2	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-1602VS	16 x 2	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-1604	16 x 4	VGA 250MHz Bandwidth	3U
GW2810-1604S	16 x 4	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-1604VS	16 x 4	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-1608	16 x 8	VGA 250MHz Bandwidth	3U
GW2810-1608S	16 x 8	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-1608VS	16x 8	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-1616	16 x 16	VGA 250MHz Bandwidth	3U
GW2810-1616S	16 x 16	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-1616VS	16 x 16	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-1624	16 x24	VGA 250MHz Bandwidth	6U
GW2810-1624S	16 x 24	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-1624VS	16x 24	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-1632	16 x 32	VGA 250MHz Bandwidth	6U
GW2810-1632S	16 x 32	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-1632VS	16 x 32	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-2404	24 x 4	VGA 250MHz Bandwidth	6U

GW2810-2404S	24x 4	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-2404VS	24 x 4	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-2408	24 x 8	VGA 250MHz Bandwidth	6U
GW2810-2408S	24 x 8	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-2408VS	24x 8	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-2416	24 x 16	VGA 250MHz Bandwidth	6U
GW2810-2416S	24 x 16	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-2416VS	24 x 16	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-2424	24 x24	VGA 250MHz Bandwidth	6U
GW2810-2424S	24 x 24	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-2424VS	24x 24	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	12U
GW2810-3204	32 x 4	VGA 250MHz Bandwidth	6U
GW2810-3204S	32x 4	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-3204VS	32x 4	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-3208	32 x 8	VGA 250MHz Bandwidth	6U
GW2810-3208S	32 x 8	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-3208VS	32x 8	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-3216	32 x 16	VGA 250MHz Bandwidth	6U
GW2810-3216S	32 x 16	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-3216VS	32 x 16	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	12U
GW2810-3232	32 x32	VGA 250MHz Bandwidth	6U
GW2810-3232S	32 x 32	VGA 250MHz Bandwidth, Stereo Audio	6U
GW2810-3232VS	32x 32	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	6U
GW2810-6404	64 x 4	VGA 250MHz Bandwidth	6U
GW2810-6404S	64x 4	VGA 250MHz Bandwidth, Stereo Audio	12U
GW2810-6404VS	64x 4	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	12U
GW2810-6408	64 x 8	VGA 250MHz Bandwidth	6U
GW2810-6408S	64 x 8	VGA 250MHz Bandwidth, Stereo Audio	12U
GW2810-6408VS	64x 8	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	12U
GW2810-6416	64 x 16	VGA 250MHz Bandwidth	6U
GW2810-6416S	64 x 16	VGA 250MHz Bandwidth, Stereo Audio	12U
GW2810-6416VS	64x 16	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	12U
GW2810-6432	64 x32	VGA 250MHz Bandwidth	6U
GW2810-6432S	64 x 32	VGA 250MHz Bandwidth, Stereo Audio	12U
GW2810-6432VS	64x 32	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	12U
GW2810-6464	64 x64	VGA 250MHz Bandwidth	8U
GW2810-6464S	64 x64	VGA 250MHz Bandwidth, Stereo Audio	12U
GW2810-6464VS	64 x64	VGA 250MHz Bandwidth, Composite Video, Stereo Audio	12U