

## GW2600 Mass Matrix Routing Switcher



GW2600 is a high performance mass routing matrix switcher. With LSI IC and modular design, GW2600 can have 128×128 composite video switching, or 64×64 composite video with stereo audio switching. Based on 16×16 hot pluggable module, GW2600 can have maximum 512×512.

The front panel pushbutton represents each of input signals or each of output signals. The push button can realize the “status lock”, “layer switching”. With the control software, multi channel switching can be achieved.

### Features:

- | 19” standard chassis with standby power supply and VFD display
- | Analogue Matrix Routing Switcher 24×24, 32×8~32×32, 48×8~48×48, 64×8~64×64, 96×8~96×96, 128×8~128×128, 256×16~256×256, 512×16~512×512
- | Video standard: PAL, NTSC, SECAM
- | Audio standard: mono, stereo, balanced, unbalanced
- | Enable video, audio alone or simultaneous switching
- | Modular Design, Hot Plug-in
- | Power Off Memory
- | Synchronic Signal Input available.
- | Remote Control Optional

### Specifications

#### Video Input

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Return Loss	>40dB	4.43MHz
Level	1Vp-p	

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**Video Output**

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Return Loss	>40dB	4.43MHz
Level	1Vp-p	

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**Video Performance**

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Gain	0dB
Gain Stability	<±0.1dB
Frequency Response	<±0.15 dB (Up to 6MHz)
2T K-Factor	<0.25%
2T Pulse /Bar Response	<0.25%
S/N Ratio CCIR567	>70 dB
DG	<0.15% (10-90% APL) @4.43MHz
DP	<0.15° (10-90% APL) @4.43MHz
Cross Talk	< -66 dB @4.43MHz (Adjacent Channel) < -60 dB @4.43MHz (Worst Case)
Path Length Diff	<±0.1° @4.43MHz
Chr/Lum Gain Inequality	<±0.15%
Chr/Lum Delay Inequality	<±2 ns

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**Audio Input**

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Level	+20dBu Maximum
Common Mode Rejection	>60 dB (20Hz~20KHz)

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**Audio Output**

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Level	±20dBu (600Ω Load)
DC On Output	<±20mV

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**Audio Performance**

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Gain	0dB
Gain Stability	<±0.1dB
Frequency Response	<±0.1dB 20Hz~20KHz
Total Harmonic Distortion	<0.015% +20dBu (20Hz~20KHz)
Noise	<-85dB (20KHz Weighted, RMS)
Cross Talk	< -90dB (Typical, Up to 20KHz) <-85dB (Worst Case, Up to 20KHz)

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**Ordering Information:****GW2600-ABC Mass Analog AV Routing Switcher**

A: Number of Input Videos 24 or 32 or 48 or 64 or 96 or 128 or 256

B: Number of Output Videos 08 or 16 or 24 or 32 or 48 or 64 or 96 or 128 or 256

C: None\_Video and Mono Audio, S\_Video and Stereo Audio, V\_Video only, A\_Mono Audio only,  
AS\_Stereo Audio only