

8Y-XL

Distribution Matrix

I/O Range

Matrix sizes from 8x8 up to 64x64
per signal type

Signal Types

Ideal for routing:
Composite Video
(NTSC, PAL, SECAM)
Y/C and S-Video,
Component Video,
RGB, RGBS, RGBHV,
Mono Audio, Stereo Audio,
Serial Digital, RS-232, RS-422



8Y-XL | Specifications

GENERAL

AC Power:	100 - 240 VAC single phase
Maximum Power Consumption:	170 Watts per enclosure
Operational Temperature:	32° to 110° F (0° to 43° C)
Humidity:	0 to 90% non-condensing
Dimensions:	13.5 in (34.29 cm) depth 17.50 in (44.45 cm) width without mounting ears 19.00 in (48.26 cm) width with mounting ears 10.37 in (26.34 cm) height (6 r.u.)
Weight:	17 lbs (7.73 kg) per enclosure
Approvals:	CE, UL

AUDIO

Throughput:	
Frequency Response:	< ± 0.1 dB (20 Hz to 20 kHz)
Total Harmonic Distortion + Noise:	< 0.01% (20 Hz to 20 kHz, $V_{in} = -3.3$ dBu to 13.2 dBu)
Crosstalk:	< -95 dB (1 kHz, $V_{in} = \pm 24$ V)
Signal to Noise Ratio (SNR):	-103 dB (20 Hz to 20 kHz, $V_{in} = 13.2$ dBu)

Input:	
Maximum Level:	Common Mode: 19.4 dBu Differential: 36.1 dBu
Impedance:	18 k Ω
Type:	Balanced or Unbalanced
Common Mode Rejection Ratio (CMRR):	-90 dB typical, -70 dB min. (20 Hz to 20 kHz, $V_{cm} = \pm 10$ V)
Power Supply Rejection Ratio (PSRR):	-80 dB typical, -60 dB min. (20 Hz to 20 kHz, $V_s = \pm 15$ V)
Gain Adjustment Range (optional):	-3 dB to +10 dB ($V_{in} = 3$ Vp-p)
Connector type(s):	Disconnectable 3 Position Screw Terminal

Output:	
Maximum Level:	± 28 dBu, Balanced
Impedance:	50 Ω
Type:	Balanced or Unbalanced
Gain Adjustment Range:	-3 dB to +10 dB
Connector type(s):	Disconnectable, 3 Position Screw Terminal

STANDARD VIDEO

Throughput:	
Frequency Response:	± 3 dB to 30 MHz or Better ± 1 dB to 12 MHz or Better
Differential Gain:	0.1% or Better (f = 3.58 MHz)
Differential Phase:	0.1° or Better (f = 3.58 MHz)
Crosstalk (adjacent channel):	< -60 dB (f = 5 MHz)
Propagation Delay:	< 20 ns ($V_{in} = \pm 0.5$ V)
Signal to Noise Ratio (SNR):	< -70 dB ($V_{in} = 0.7$ V, 100% IRE)

Input:	
Maximum Level:	± 5 V
Impedance:	75 Ω or Hi-Z (22 k Ω)
Gain Adjustment Range (optional):	-3 dB to +10 dB
Connector type(s):	BNC

Output:	
Maximum Level:	± 5 V
Impedance:	75 Ω
Gain Adjustment:	-3 dB to +10 dB
Connector type(s):	BNC

WIDEBAND VIDEO

Throughput:	
Frequency Response:	± 3 dB to 250 MHz or better
Crosstalk (adjacent channel):	< -60 dB (f = 5 MHz)
Propagation Delay:	< 20 ns ($V_{in} = \pm 0.5$ V)
Signal to Noise Ratio (SNR):	< -70 dB ($V_{in} = 0.7$ V)

Input:	
Maximum Level:	± 2 V
Impedance:	75 Ω or Hi-Z (22 k Ω)
Gain Adjustment Range (optional):	-3 dB to +10 dB
Connector type(s):	BNC

Output:	
Maximum Level:	± 2 V
Impedance:	75 Ω
Gain Adjustment:	-3 dB to +10 dB
Connector type(s):	BNC

FEATURES

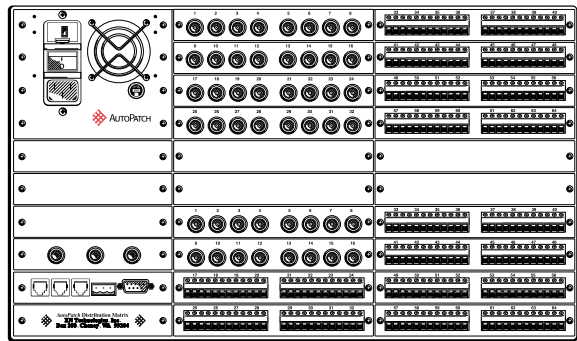
- Matrix sizes from 8x8 up to 64x64 per signal type
- 400 MHz Ultra-Wideband performance
- Multiple I/O board combinations
- Field expandable in increments of eight inputs or outputs
- Switch any input to any or all outputs in any combination
- 32 programmable memory "presets"
- Meet all requirements of an installation with one routing system



We stand behind every unit we sell with our exclusive AutoPatch Lifetime Warranty.



Our trained technical staff is available 24 hours a day, every day of the year, to answer installation and technical questions.



AUTOPATCH™
High Performance Signal Routing

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