

#### Features

- Based on D-Link DGS-1100 (V2) switch
- Low phase noise discrete Driscoll-type crystal oscillator
- Linear LDO regulator for oscillator circuitry and linear LDO for core voltage
- External direct +5V power input, strongly recommended linear PSU for example the LPS10-05-1S0
- 1 year manufacturer's warranty

#### Components on added tuning PCB:

- Low noise linear regulator
- High-Q series resonance crystal
- 4-layer, high TG, improved FR4 PCB

#### Description

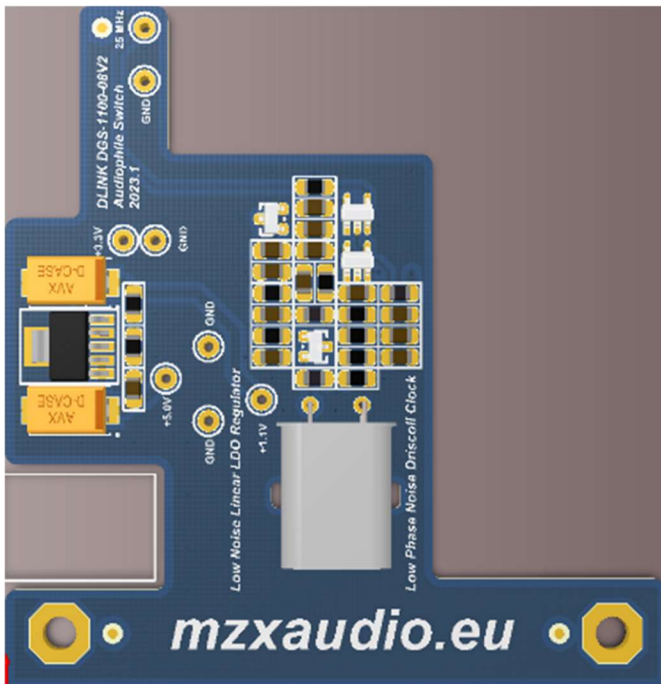
The APSW1100-8 audiophile network switch is intended to apply in front of hi-end audio PC. The low phase noise reference clock, the clean powering of the network switch's controller chip and the low jitter Driscoll type crystal reference clock guarantees accurate, smooth dataflow and audiophile sound quality and the advanced management features allow flexible solutions to meet your audio experience.

Very carefully designed 4 layers improved FR4 printed circuit board (PCB) with surface mounted components ensure minimal signal path and optimal signal integrity.



SPECIFICATION		
INPUT	Power	+5V / 1A
	Connector	DC plug 5.5 / 2.1mm
PORTS	Speed	8 x 10/100/1000Mbps
	Connector	8 x RJ45 shielded
PERFORMANCE	Switching Capacity	16 Gbps
	Max Forwarding Rate	11.9 Mpps
	MAC Address Table Size	4K entries
	Packet Buffer	1.5 Mbits
ENVIRONMENT	Working temperature	0 C° to +40 C°
	Working Humidity	0 to 90% RH, non-condensing
PACKAGING	Dimension	145 x 82 x 28 mm
	Weight	400 grams

Tuning PCB's 3D model:



Ordering code: APSW1100-8

Label

**mzx** **APSW1100-8**  
**AUDIO** **Audiophile Switch**

Input: 5Vdc / 1A

Use with low noise PSU,

like LPS10-05-1S0 !

HW ver. 2023.1 Built: 2023.40.wk



S/N: 9057

