

PM 0093 音频差分开关

产品规格书

PM 0093 Audio Differential Switch

Product Specification

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产品简介

PM 0093 音频差分开关



PM 0093 是一款高密度 50Ω 的专为音频切换而设计的音 频矩阵切换模块。

本模块支持USB程控，在 Audio Expert 软件里支持可视化配置，并提供继电器开关次数查询，可进行寿命预估，保证系统达到寿命终止前能提前更换部件。

功能特点

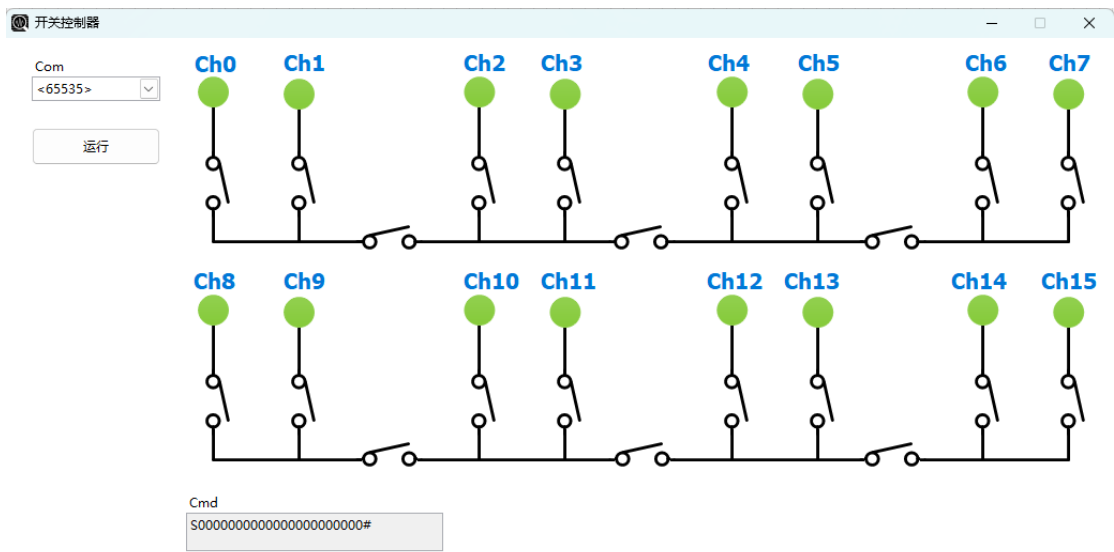
- 50Ω特性阻抗，专为音频信号切换设计
- 8x1 多路差分开关，DUAL上下两排
- USB程控
- BNC直接连接
- 开关次数可查，进行寿命预估（500万次开关寿命）

规格参数

整体参数	
总线	USB
工作电压	5V
接口类型	BNC
接口数量	2*8
尺寸（mm）	240*240*76
适用温度	-20℃ - 50℃

通道与开关示意图

PM 0093 共有 16 个差分通道，使用 22 个开关进行通路的切换。通道与开关的分布如下图所示。

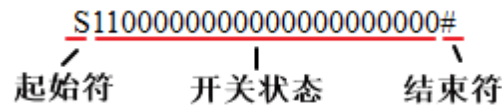


串口通讯参数

Baud Rate:	9600
Data Bits:	8
Parity:	None
Stop Bits:	1.0
Flow Control:	None
Termination Char:	\n

控制指令

PM 0093 的切换控制指令，使用 S 作为指令起始符，#作为结束符，中间为 22 个开关的状态，0 为开，1 为关。



读取读寿命指令

波特率：9600

设置继电器：

SXXXXXXXXXXXXXXXXXXXXX# //其中X表示继电器状态，0关闭，1开启

Check //查询继电器寿命

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Product introduction



PM 0093 Audio Differential Switch

PM 0093 is a high-density 50Ω audio matrix switching module designed specifically for audio switching.

This module supports USB program control, supports visual configuration in the Audio Expert software, and provides relay switching count query, enabling lifespan estimation to ensure that components can be replaced in advance before the system reaches the end of its service life.

Features

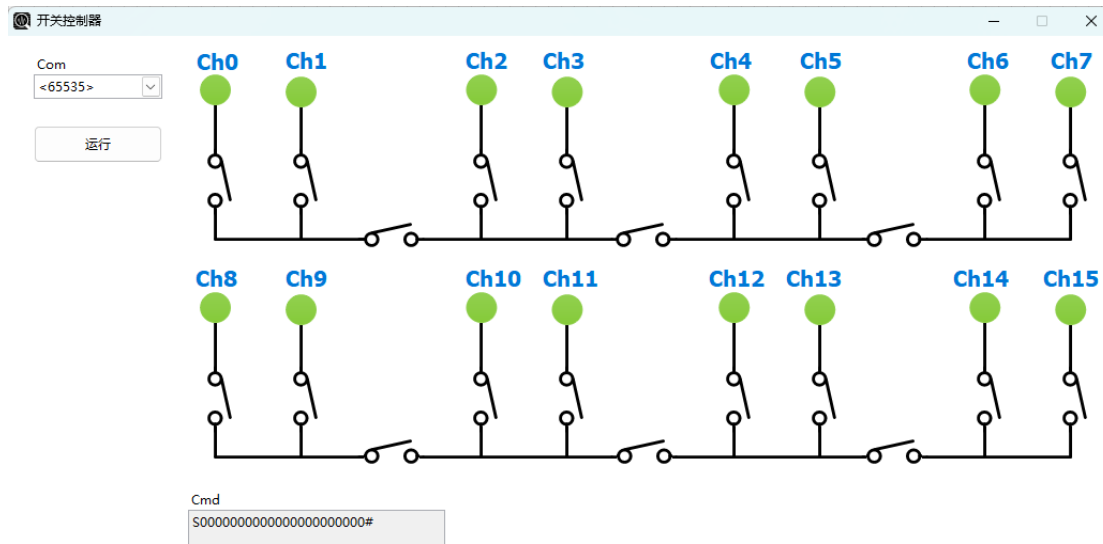
- 0Ω characteristic impedance, designed specifically for audio signal switching
- 8x1 multi-channel differential switch, DUAL with upper and lower rows
- USB program control
- BNC direct connection
- Switch count queryable for lifespan estimation (5 million switching cycles lifespan)

Specification parameters

Parameters	
Bus	USB
Operating voltage	5V
Interface type	BNC
Number of interfaces	2*8
Dimensions (mm)	240*240*76
Operating temperature	-20°C - 50°C

Channel and switch diagram

PM 0093 has a total of 16 differential channels and uses 22 switches for path switching. The distribution of channels and switches is shown in the figure below.



Serial Communication Parameters

Baud Rate:	9600
Data Bits:	8
Parity:	None
Stop Bits:	1.0
Flow Control:	None
Termination Char:	\n

Control Commands

The switching control command of PM 0093 uses S as the start character and # as the end character, with the statuses of the 22 switches in between, where 0 means on and 1 means off.

S11000000000000000000000000000000#
 起始符 开关状态 结束符

Read Lifespan Command

Baud rate: 9600

Set relays:

XXXXXXXXXXXXXXXXXXXXXXXXX# // X represents the relay status, 0 = off, 1 = on

Check // Query relay lifespan

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