

PM 6281

Version: 1.5_20230906_EN



8 channel input differential multi - channel synchronous high-speed acquisition card

The PM 6281 is a multi-channel synchronous high-speed acquisition card designed specifically for development and production line production acoustic testing.

8 channels analog signal input, 2 channels analog signal output, with 8 DI and DO channels.

The product has abundant channel resources, excellent indicators, high sampling rate, which can meet the acoustic test of consumer products in mass production, and is a very cost-effective acquisition card.

General specifications

Overall parameters	
Analog input channel	8
Analog output channel	2
Analog interface type	BNC
DIO number	8 DI and 8 DO
BUS	USB 3.0
Working voltage	220V
Dimension(mm)	440*350*88
Working temperature	-20℃~50℃

- 8 Channel input
- 2 Channel output
- 8 DI and 8 DO
- Differential signal
- Maximum sampling rate 2MHz
- input range +/- 10Vrms
- Positioning R&D and production line mass production acoustic testing

AI Analog acquisition channel parameter

AI Analog acquisition channel	
ADC precision	16 Bit
ADC type	Δ - Σ
Sampling rate	10Hz~2MHz
FIFO Buffer size	1024
Data transmission mode	DMA
Input voltage range	+/- 10Vrms
Gain error	+/- 0.03dB
Input impedance	1Mohm
Flatness	20Hz~20kHz, <+/- 1dB 10Hz~60kHz, <+/- 1.5dB

AI Idle noise (mVrms)		
Range	5Vrms	10Vrms
Typical value	0.13	0.29
Annotation: [1]Short circuit source impedance is less than50Ω, Working temperature 23±5℃		

AI SNR (dB)		
Range	5Vrms	10Vrms
Typical value	104	100
Annotation: [1]Differential input, AC coupling, Input signal 1kHz Sine wave, input voltage is the current gear value [2]Bandwidth:20Hz-100kHz		

AI 动态范围 (dB)		
Range	5Vrms	10Vrms
Typical value	100	90
Annotation: [1]Differential input, AC coupling, Input signal 1kHz Sine wave, input voltage is the current gear value [2]Bandwidth:20Hz-100kHz		

AI 总谐波失真 THD (dB)		
Range	5Vrms	10Vrms
Typical value	-60	-73
Annotation: [1]Differential input, AC coupling, Input signal 1kHz Sine wave, input voltage is the current gear value [2]Bandwidth:20Hz-100kHz		

AI 串扰 Cross talk (dB)		
Range	5Vrms	10Vrms
Typical value	-100	-90
Annotation: [1]Differential input, AC coupling, Input signal 1kHz Sine wave, input voltage is the current gear value [2]Bandwidth:20Hz-100kHz		

MegaSig reserves the right to change specifications and accessories without notice.



www.megasig.com

Shenzhen MegaSig Measurement & Control Technology Co.,Ltd

Tel: 0755-8950.8393 Fax: 0755-8950.8392

Sales email: sale@megasig.com

Technical support email: support@megasig.com

Address : Room 1002, Unit 2, Building 1, Hongxing Chuangzhi Plaza, Guangming District, Shenzhen,China