



## 16 channel input, 2channeloutput multi-functional DAQ module

PM 6162 High performance multi-functional high precision audio analyzer. Can maintain high accuracy even at high sampling, with the signal conditioning sensor measurement

The product has rich features and excellent indicators, which can meet the acoustic testing of consumer products in mass production and help engineers create better products.

### General specifications

Overall parameters	
Analog input channel	8 differential or 16 single-ended
Analog output channel	2
Digital I/O	24-channel digital I/O (8-channel high speed up to 1 MHz)
Counter/timer	Two 32-bit bits
power amplifier	3 channels 8W
BUS	USB
Dimension(mm)	440*350*88
Interface type	BNC, CANNON
Working temperature	-20°C~50°C

- 8 Differential or 16 single-ended channel input, 2 channel line output
- Input differential signal and single-ended signal free choice
- 24 channels digital I/O port
- 2 32-bit counters
- 3-way power amplifier
- Locate high-performance multifunctional test test system

### AI Analog acquisition channel parameter

AI Analog acquisition channel	
ADC precision	16 Bit
Channel number	Single-16, Differential-8
Sampling rate range	250kHz
Input voltage range	+/- 10V
Maximum voltage range accuracy	3100uV
Maximum voltage range sensitivity	97.6uV
Minimum voltage range	+/-200mV
Minimum voltage range accuracy	112uV
Minimum voltage range sensitivity	5.2uV
Range quantity	4 (±0.2 V, ±1 V, ±5 V, ±10 V)
synchronous sampling	nonsupport
Crosstalk 100khz	Adjacent channels -75db, non-adjacent channels -90db

### AO Analog acquisition channel parameter

AO Analog acquisition channel	
DAC precision	16 Bit
Channel number	2
Output voltage range	+/- 10V
Output impedance	0.2 Ω
Output coupling	DC
Output current drive	+/- 5mA
Output rate	1 channel:833ks/s 2 channel:740ks/s

**Digital IO parameter**

IO parameter	
Channel number	24
Ground reference	D GND
Direction control	Each terminal can be individually programmed as an input or output
Pull-down resistor	Typical value is 50 k $\Omega$ and the minimum is 20 k $\Omega$
Input voltage protection	+/-20V
DI or DO samples the clock frequency	0 MHz -1 MHz
Input high voltage	Minimum 2.2V, maximum 5.25V
Input low voltage	Minimum 0V, maximum 0.8V

**General counter/timer parameters**

Counter/timer parameters	
Counter quantity	2
Resolution ratio	32bit
Internal reference clock	80MHz, 20MHz, 0.1MHz
External reference clock frequency	0MHz $\bar{\sim}$ 20MHz
Reference clock accuracy	50 ppm
DI or DO samples the clock frequency	0 MHz -1 MHz
Input high voltage	Minimum 2.2V, maximum 5.25V
Input low voltage	Minimum 0V, maximum 0.8V
Frequency generator	
Channel number	1
Reference clock	10MHz, 100KHz
Factor	1-16
Reference clock accuracy	50 ppm

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



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