

## 4 Chanel PDM Signal Conditioner



4 Chanel PDM Signal Conditioner, Suitable for PDM acceleration sensor. PDM microphone sensor. test clock adjustable.

Adjustable supply voltage. Dual PDM channel clock synchronization asynchronously adjustable

### General specifications

U926 Parameters	
Service voltage	5V
BUS	USB
VCC power	1.2V / 1.8V / 3.0V / 3.3V
Clock	0.256M ~ 6.144M
Dimension(mm)	96*33*140
Working temperature	-20°C~50°C

### General features

- 4 Chanel PDM Signal demodulation
- Suitable for PDM acceleration sensor
- Suitable for microphone sensor
- Adjustable supply voltage and clock
- Dual PDM channel clock synchronization asynchronously adjustable

### Acquisition channel Characteristics

Chanel parameters	
Sampling rate range	4K~96K
FIFO Buffer size	1024
Data transmission mode	DMA
Down sampling factor	x64
External trigger	5V Rising edge triggering

AI THD+N (dBFS)			
Sampling rate	fs=44.1kS/s	fs=48kS/s	fs=96kS/s
Minimum value	-100.1	-103.6	-99.4
Typical value	-100.0	-103.5	-99.3
Annotation: [1] Input signal 1kHz Sine wave, -10dBFS [2] Bandwidth 20Hz-20kHz			

AI THD (dBFS)			
Sampling rate	fs=44.1kS/s	fs=48kS/s	fs=96kS/s
Minimum value	-127.7	-127.5	-126.3
Typical value	-127.0	-124.7	-125.3
Annotation: [1] Input signal 1kHz Sine wave, -10dBFS [2] Bandwidth 20Hz-20kHz			

Product specifications are subject to  
change without prior notice



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