

NANJING HANGNAN TESTING INSTRUMENT CO., LTD

PCI/PXI acquisition card





Hardware index of PCI / PXI acquisition card

PCI and PXI cards are compatible, and the indicators are similar, two different products with same indicators and different interface are formed. According to different AD sampling rate, 14 different products are made. Indicators are listed below:

PCI card

Sampling rate	Highest 204.8K, programming controlled dividing set	Highest 2M, programming controlled dividing set downward	Highest 5Msps, programming controlled dividing set	Highest 10Msps, programming controlled dividing set	Highest 100Msps, programming controlled dividing set	Highest 200Msps, programming controlled dividing set	Highest 500Msps, programming controlled dividing set			
	downward	downward	downward	downward	downward	downward	downward			
AD resolution	24bit	16bit	16bit	16bit	14bit	12bit	12bit			
Number of input channels	2	4	4	4	4	2	2			
Signal input Range	voltage Input or input of ICP sensors and TEDS sensor, single-ended or differential, programmable set ±30V, ±20V, ±10V, ±5V, ±2V, ±1V, ±100mV, programmable	SMB single-ended bipolar input $ \pm 20 \text{V} \times \pm 10 \text{V} \times \pm 4 \text{V} \times \pm 2 \text{V} \times \pm 10 \text{V} \times \pm 500 \text{mV} \times \pm 200 \text{mV} \times \pm 100 \text{mV}, \\ \text{programmable set} $ $ \pm 10 \text{V} \times \pm 5 \text{V} \times \pm 2 \text{V} \times \pm 10 \text{V} \times \pm 100 \text{mV}, \\ \text{programmable set} $								
Coupling	set	1								
Trigger	DC, AC, ground Automatic trigger, analog trigger signal, external trigger									
Onboard cache	64MB	64MB	64MB	2GB	2GB	2GB	2GB			
Output interface	8 DIO digital input / output, 2 DA output: Output voltage range ± 10V, the sampling rate 100Ksps									
Expand	Synchronous expansion interface of multi-cards									



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PXI card

Sampling	Highest	Highest 2M,	Highest	Highest	Highest	Highest	Highest				
rate	204.8K,	programming	5Msps,	10Msps,	100Msps,	200Msps,	500Msps,				
	programming	controlled	programming	programming	programming	programming	programming				
	controlled	dividing set	controlled	controlled	controlled	controlled	controlled				
	dividing set	downward	dividing set	dividing set	dividing set	dividing set	dividing set				
	downward		downward	downward	downward	downward	downward				
AD	24bit	16bit	16bit	16bit	14bit	12bit	12bit				
esolution											
Number	2	4	4	4	4	2	2				
of input											
channels											
Signal	voltage	SMB single-ended bipolar input									
nput	Input or input										
	of ICP sensors										
	and TEDS										
	sensor,										
	single-ended										
	or differential,										
	programmable										
	set										
Range	±30V, ±20V,	±20V,±10V,±4V,±2V,±1V,±500mV,±200mV,±100mV, ±10V, ±5V, ±2V, ±1V									
	±10V、±5V、	programmable	set	programmable set							
	±2V 、 ±1V 、										
	±100mV 、										
	±10mV ,	7 ,									
	programmable										
	set										
Coupling											
	Automatic trigger, analog trigger signal, external trigger										
Onboard	64MB	64MB	64MB	2GB	2GB	2GB	2GB				
cache											
	1	i	l .								
Output	8 DIO digital in	put / output, 2 D	A output: Outpu	it voltage range :	\pm 10V, the samp	ling rate 100Ksp	S				
Output nterface	8 DIO digital in	iput / output, 2 D	A output: Outpu	it voltage range	\pm 10V, the samp	ling rate 100Ksp	S				
	DC, AC, ground Automatic trigg	er, analog trigge 64MB	64MB	2GB							

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