

	Company	ADLINK	
	Feature Classification	PCI-8132	PCI-8102
<b>Hardware PART</b>			
Hardware & Software Features	Form Factor	PCI	
	ASIC	NPM PCL5023	NPM PCL6025
	Control Axes	2	2
	Max. Pulse Output (Pulse per Second)	2.4Mpps	
	2D Linear Interpolation	Yes	
	3D Linear Interpolation	No	No
	4D Linear Interpolation	No	No
	2D Circular Interpolation	No	Yes
	Continuous Contouring(H/W)	No	Yes (3 Command Buffer)
	T/S Velocity Profile(Symm/Asymm)	Yes	
	On-the-fly Velocity Change	Yes	
	On-the-fly Position Change	No	Yes
	Pulse Output Mode	OUT/DIR & CW/CCW	
	Encoder Input Mode	CW/CCW 4XA/B Phase	
	Encoder Input Frequency	2.4MHz @ 4XAB mode	
	Counter Range	28-bit	
	Home Mode	3	13 (Auto Home Search)
	Emergency Stop Signal Input	No	Yes
	Soft Limit	No	Yes
	Manual Pulsar	Yes	Yes (32X)
	JOG Move	No (Users can realize this function by software)	
	Distributed I/O	No	
	Simultaneously Start/Stop	Yes (Multi-boards also available)	
	Card Index Selection (DIP Switch)	No	Yes (0-15)
	Security Protection for User Software	No	EEPROM Protection
	On-Board General Purpose I/O (GPIO)	16DI/16DO (Isolation)	1) 2DO/4DI 2) 16DI/16DO (Isolation)
	Backlash Compensation	N/A	Yes
	Vibration Suppression	N/A	Yes
	Acc/Dec on Circular Interpolation	N/A	Yes
	Manual Pulsar for Linear Interpolation	Yes	
Manual Pulsar for Circular Interpolation	N/A	Yes	
Interrupt Control	Yes (32 Factors)	Yes (32 Error Factor & 32 Event Factor)	
Position Latch	N/A	Yes (2 Axes)	
Position Compare & Trigger Output (FIFO based)	N/A	No	
Smooth Continous Contouring (H/W Build-In)	N/A	Command Buffer (3 Register)	
Ring Counter	N/A	Yes	

	<b>Dimension</b>	164 mm (L) x 106.68 mm (W)	120 mm (L) x 106.68 mm (W)
<b>SOFTWARE PART</b>			
	PTP Motion	Yes	
	Jogging Refer to flag status for Velocity mode	N/A	
	<b>Manual Pulsar in velocity mode</b>	N/A	Yes
	On-the-fly velocity change	Yes	
	E-Gear	N/A	
	Move Ratio	Yes	
	Gantry mode	N/A	
	<b>Position Latch</b>	N/A	Yes
	Speed Smoothing	S-Curve	
	ECAM	N/A	
	<b>Utility</b>	MotionCreator	MotionCreatorPro
	Support Motor Type	Servo, Stepping, Linear Motor	
	<b>Support OS</b>	Windows 2K/XP/7 (32/64 bit), Linux (Redhat/Fedora)	
	<b>Programming Environment</b>	VC, VB, BCB, Delphi for Windows 98/NT/2K/XP/7; VB.Net ; Labview	
	<b>Terminal Boards</b>	DIN-812M DIN-100S	DIN-68M-J2A0 DIN-68M-J3A0 DIN-68Y-SGII0 DIN-68P-A40 DIN-68S0
<b>Others</b>	<b>Price</b>	Refer to ADLINK Price Book	
		Entry Level	Medium Level