

ADT-8940A1 motion control card is one of ADTECH axis motion control card PCI bus computer -based members , a system can support up to 16 control card , can control 64 servo / stepper motor, plug and play . Mainly used in multi-axis motion control point , with T-type , S -curve acceleration and deceleration, hardware stop, linear interpolation, hardware cache, position latch function, the product is widely used in testing, advertising, printing , PCB processing and other industries.

Hardware Index

1. 32-bit PCI bus , Plug and Play
2. Controllable number of axis: 4 axis
3. Differential pulse output for each axis, the maximum frequency 2MHz;
4. Each shaft encoder feedback channel A / B phase difference between the pulse input, 32 count frequencies up to 2MHz;
5. Pulse Output Type : Pulse + direction (PUL + DIR) or double-pulse (CW + CCW)
6. Large-capacity hardware cache , the maximum hold 2048 bytes.

Control function

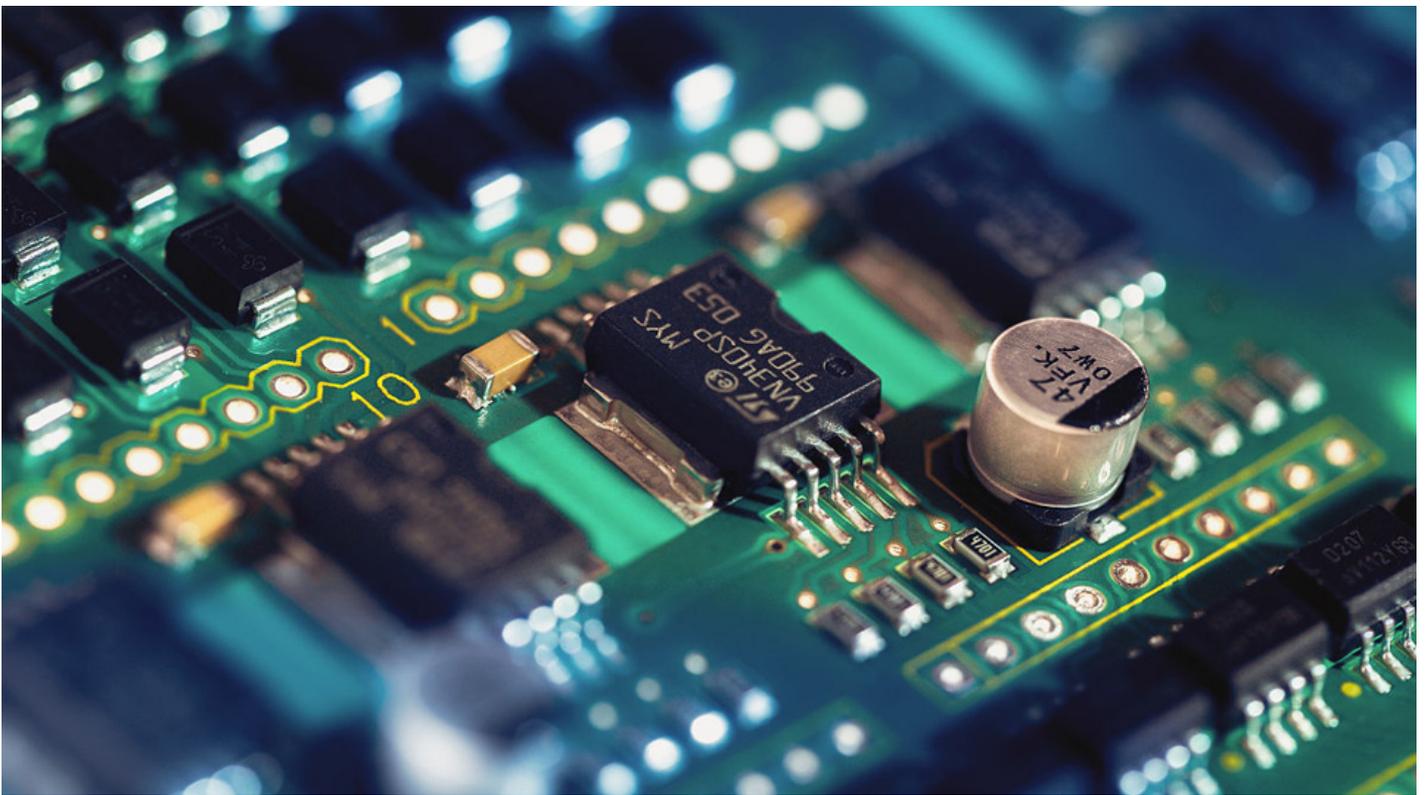
1. Any hardware 2-4 axis linear interpolation ;
2. Hardware buffer interpolation, circular interpolation software ;
3. Change the speed and movement to achieve the target position ;
4. T -shaped , S -shaped curve acceleration and deceleration ;
5. Hardware stop function , multi-axis to move/stop at the same time ;
6. Multi-axis position of the external signal to trigger the latch ;
7. Zero function in many ways ;
8. Handwheel and external signals operating quantitatively driven , continuous driving .

Software support

1. Operating system: DOS/WINDOWS95/98/NT/2000XP/WINCE,WIN7
2. Programming environments : C/BC++/VC/VB/C#/C++Builder/Delphi/LabVIEW/EVC
3. Application examples of open- DOS and Windows

Application environment

1. Storage temperature:-20-80°C
2. Temperature: 5-95 % non-condensing
3. Operating temperature: 0-60°C



Dedicated purpose IO

1. Machinery positive and negative limit position , origin signal
2. osition latch input signal
- 3.Handwheel control signal
4. Hardware stop signal
5. Alarm input signal
6. Alarm clear signal
- 7.Servo enable signal

General purpose IO

- 1, signal when not in use can be set to Universal IO
- 2, can be up to:
 - 1.32 general-purpose digital inputs, all optocoupler isolation;
 - 2.32 open collector outputs.

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