

The extremely flexible PCD46x1A series is a low cost, high performance stepper motor controller that is designed for one, two, or four axis control.

It integrates all real-time critical and safety tasks and math intensive operations into a reliable, dedicated ASIC; increasing the speed, safety, and reliability of the system while freeing CPUs resources and bandwidth for other tasks.

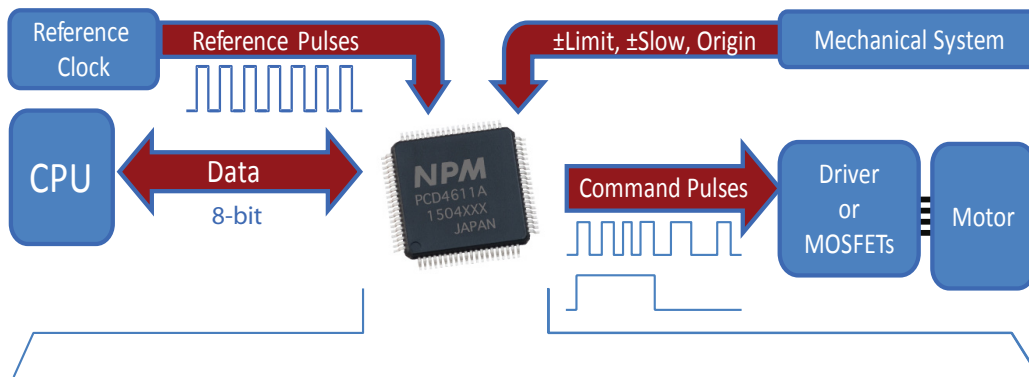
The PCD46x1A Series offers an advanced and economical solution for multi-axial stepper motor control.

Features:

- Sequencer output (unipolar/bipolar; half/full step)
- Linear and S-curve acceleration/deceleration control
- On-the-fly override of speed or target position
- Multi-axis synchronization
- Automatic setting for ramping-down point
- Dedicated end limit, ramp down, and origin reference switch input for each axis
- General-purpose I/O (up to 5 per axis)
- Control software is upward compatible with PCD45x1 series

Applications:

- CCTV, Security
- Office Automation
- ATM, cash recycler, POS
- Lab Automation
- Liquid Handling
- Medical
- Printer and Scanner
- Pumps and Valve
- Heliostat Controller



PCD4611A

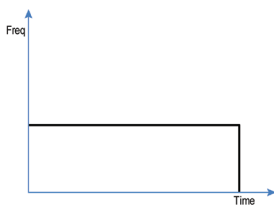


PCD4621A

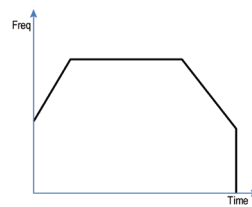


PCD4641A

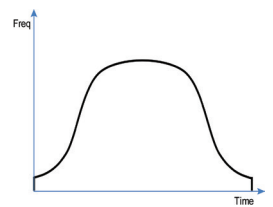
*Actual sizes



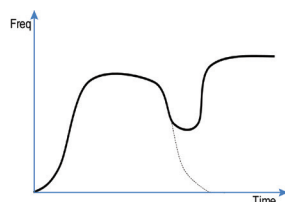
Constant Speed



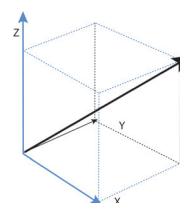
Trapezoidal Profile



S-Curve Profile



On-the-Fly Adjustment



Linear Interpolation

