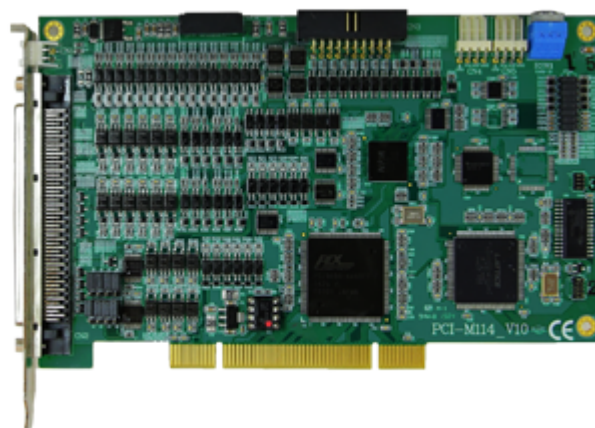


PCI

PCI-M114



4-Axis Motion Card

Features

- On-board 4-axis motion control with Max. 6.5MHz pulse output rate
- Linear, circular, helical and continuous interpolation
- High speed position latch function
- Simultaneously start/stop on multiple axes
- Programmable acceleration and deceleration time
- Programmable pulse output and interrupt
- Position compare and trigger output
- Compare output FIFO x 2
- Hardware IC with unique ID

Ordering information

- **PCI-M114**
4-Axis Motion Card
- **107-T142-GEN**
Terminal board for 4-axis
- **107-T160-DUMP**
Terminal board for 4-axis
- **107-T161-DUM**
Terminal board for 4-axis
- **107-T162-DUMG**
Terminal board for 4-axis
- **SCB-166-20A**
SCSI 100 pin, 2M

Software Supporting

- **Windows 2000/XP/7 WDM driver**
Support Visual C/C++, C#, Microsoft .NET Framework programming on Windows 2000/XP/7 platform with DLL
- **Motionnet® utility**
MyLink for diagnosis of Motionnet® slave devices

Specification

Motion Control

| | |
|---|--|
| Pulse output mode | OUT/DIR, CW/CCW, A/B phase |
| Pulse output rate | Max. 6.5Mpps |
| Position range | 32 bits |
| Home return mode | 13 types |
| Velocity profiles | T-curve and S-curve |
| Interpolation mode | Linear, circular, helical and continuous |
| Counter for encoder feedback signals | 32 bits |
| Position latch input | LTC x 4 |
| Position compare output | CMP x 4 |
| Incremental encoder input | ±EA x 4, ±EB x 4 |
| Encoder index signal input | ±EZ x 4 |
| Machine interface | PEL x 4, MEL x 4, ORG x 4, SLD x 4 |
| Servo driver interface | ALM x 4, RDY x 4, SVON x 4, INP x 4, ERC x 4, ALMRST x 4 |
| Simultaneous start/stop motion input | STA, STP |
| Emergency input | EMG x 1 |
| I/O pin type | Optically isolated with 3750Vrms on all SCSI 100 pin |

General

| | |
|----------------------------|---------------------------------|
| Specifications | PCI Spec. 2.2; supports 32 bits |
| Power consumption | 5VDC at 500mA typical |
| Working temperature | 0 to 60°C |