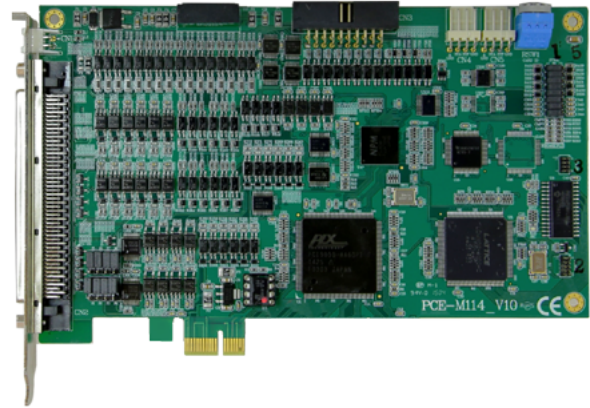


PCI Express PCE-M114



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

- **PCE-M114**
4-Axis Motion Card
- **107-T141-GEN**
Terminal board for 4-axis
- **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

Specification

Motion Control

Pulse output mode	OUT/DIR, CW/CCW, A/B
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	1-lane 2.5 Gb/s PCI Express
Power consumption	3.3VDC at 430mA, 12VDC at 55mA typical
Working temperature	0 to 60°C