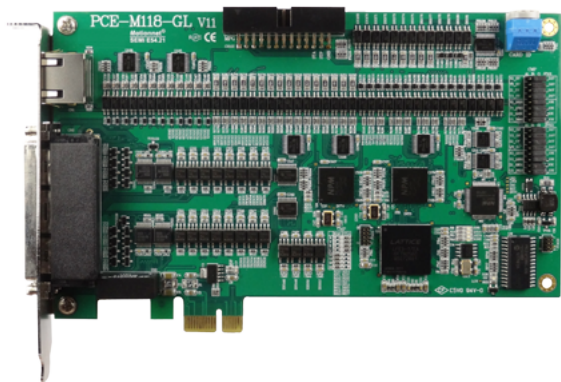


01 Master Card



02 Digital Slave

03 Analog Slave

04 Motion Slave

05 Microstep Driver

Specifications

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 8
Position compare output	CMP x 4, 1024 points / ch.; CMP x 4
Incremental encoder input	±EA x 8, ±EB x 8
Encoder index signal input	±EZ x 8
Machine interface	PEL x 8, MEL x 8, ORG x 8, SLD x 8
Servo driver interface	ALM x 8, RDY x 8, SVON x 8, INP x 8, ERC x 8, ALMRST x 4
Emergency input	EMG x 2
I/O pin type	Optically isolated with 3750Vrms on all VHDCI 100 pin x 2
Number of ring	1
Serial interface	Half duplex RS-485 with transformer isolation
Cable type	CAT5 UTP/STP Ethernet cable
Surge protection	10KV
Transmission speed	2.5Mbps, 5Mbps, 10Mbps and 20Mbps
Data flow control	Automatic
Communication distance	Max. 100M (20Mbps / 32 slave modules)
Bus type	1-lane 2.5Gb/s PCI Express
Power consumption	3.3VDC at 430mA, 12VDC at 55mA typical
Working temperature	0 to 60°C

Features

- On-board 8-axis motion control with Max. 6.5MHz pulse output rate
- 1 ring of Motionnet® Master
- Max. 64 Motionnet® slave modules support
- 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 4
- Programmable baud-rate up to 20Mbps transfer rate
- Manual pulse generator
- Hardware IC with unique ID

Ordering Information

PCE-M118-GL	1-Ring Motionnet® Master 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
SCB-186-20A	VHDCI 100 pin + 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