



Features

- Dimensions: L-120 x W-64 x H-80mm
- Max. 6.5MHz, 4-axis pulse output rate
- 28-bit counter for incremental encoder
- Linear, circular and continuous interpolation
- Programmable acceleration and deceleration time
- T-curve and S-curve velocity profiles support
- Change speed/position on-the-fly
- Position compare and trigger output
- Compare output FIFO x 2
- Simultaneously start/stop on multiple motion control modules
- Easy installation with RJ45 phone jack and LED diagnostic

Specifications

Communication controller	Motionnet® slave motion controller ASIC
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
Programmable pulse output mode	OUT/DIR, CW/CCW, A/B phase
Programmable pulse command speed	Max. 6.5Mpps
Position range	28 bits
Home return mode	13 types
Velocity profiles	T-curve and S-curve
Counter for encoder feedback signals	28 bits
Position latch input	LTC x 4
Position compare output	CMP x 2, 1024 Points / ch. CMP x 2
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
Power input	24VDC±10%
Power consumption	3W typical
Working temperature	0 to 60°C

Ordering Information

106-M304T	4-axis motion slave module
106-M304TE	4-axis motion slave module w. manual pulse generator
106-M304TD	4-axis motion slave module w. 8 DI / 8 DO
104-T304	20-pin Box header for machinery I/O
SCB-193-10A/20A /30A-DA2/GEN/MJ3/SAN/Y55/PA5	DB26-SCSI 50 pin cable, 1M/2M/3M
SCB-1BB-06A/10A /20A/30A/50A/A0A	CAT5 LAN cable, 0.6M/1M/2M/3M/5M/10M

I/O connector

DB26

1	SVON	10	RST	19	EMG
2	INP	11	ALM	20	EGND
3	ERC	12	E24V	21	EGND
4	RDY	13	EGND	22	EGND
5	OUT-	14	N.C.	23	DIR-
6	OUT+	15	EGND	24	DIR+
7	EA+	16	EB-	25	EZ-
8	EA-	17	EB+	26	EZ+
9	N.C.	18	EGND		