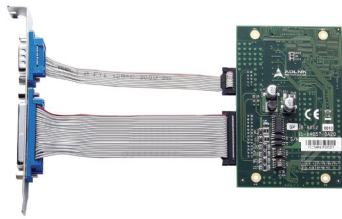


DB-8152

Electronic CAM Slave Motion Solution Daughter Board



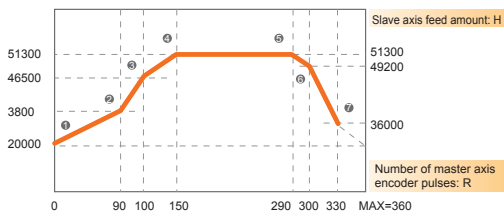
Specifications

ECAM Controller

- D-Sub 9 and 25 bracket required when using the DB-8152
- D-Sub 25 for master encoder and slave encoder, pulse out and DIO with isolation
- D-Sub 9 for CMP output with 2 high speed and 6 general speed
- Dimension 96.42 (L) x 62 (W) mm
- Operating Temperature 0°C to +60°C
- Storage Temperature -20°C to +80°C
- Power Consumption +3.3 V @ 200 mA typical, +5 V @ 100 mA typical

Features

- Up to 1 MHz from encoder signals of the master axis
- Supports OUT/DIR and CW/CCW pulse output mode
- Supports 4 x AB phase and CW/CCW pulse input mode
- Programmable interrupt
- CAM table setting by API function



1	EX+24V	14	EX+24V
2	SPEL	15	SMEL
3	SORG	16	SERC
4	EGND	17	EGND
5	SINP	18	SALM
6	SEA +	19	SEA -
7	SEB +	20	SEB -
8	SOUT +	21	SOUT -
9	SDIR +	22	SDIR -
10	MEA +	23	MEA -
11	MEB +	24	MEB -
12	MEZ +	25	MEZ -
13	EGND		

CN3 on DB-8152 Bracket

6	CM P1	1	CMP0
7	CM P3	2	CMP2
8	CM P5	3	CMP4
9	CM P7	4	CMP6
		5	EGND

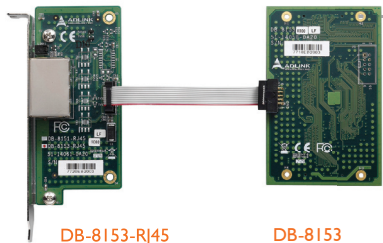
CN4 on DB-8152 Bracket

Ordering Information

- **DB-8152**
Electronic CAM slave motion solution daughter board for PCI-8158/PCI-8154

DB-8153

Single Motionnet Master Controller Daughter Board



Specifications

Motionnet Master Controller

- Half duplex, RS-485 with transformer isolation
- Transmission Speed 2.5/5/10/20 Mbps (Default: 20 Mbps)
- Dimension 96.42 (L) x 62 (W) mm
- Operating Temperature 0°C to +60°C
- Storage Temperature -20°C to +80°C
- Power Consumption +3.3 V @ 250 mA typical, +5 V @ 100 mA typical

Features

- RJ-45 jack for easy installation (with DB-8153-RJ45)
- Provides both distributed and on-board motion control does not occupy a PCI slot when attached to a PCI-815x
- Software selectable transmission speed

Connections

CN3: Main DB-8153 connector	
PIN NO.	PIN OUT
PIN 1	+5 V
PIN 2	FG
PIN 3	DG
PIN 4	LED Signal
PIN 5	RXD1
PIN 6	TXD
PIN 7	RXD2
PIN 8	TXE
PIN 9	DG
PIN 10	FG

Connections

RJ1: DB-8153-RJ45 RJ-45 connector	
PIN NO.	PIN OUT
PIN 1	NC
PIN 2	NC
PIN 3	NC
PIN 4	Data-
PIN 5	Data+
PIN 6	NC
PIN 7	NC
PIN 8	NC

Ordering Information

- **DB-8153**
Single Motionnet master controller daughter board for PCI-8158/PCI-8154
- **DB-8153-RJ45**
Bracket with RJ-45 jack for DB-8153

1	Software & Utilities
2	DAQ
3	PXI
4	Modular Instruments
5	GPIB & Bus Expansion
6	PAC
7	Motion
8	Real-time Distributed I/O
9	Remote I/O
10	Communications
11	Vision
12	Fanless I/O Platforms
13	cPCI & Industrial Computers
14	Accessories