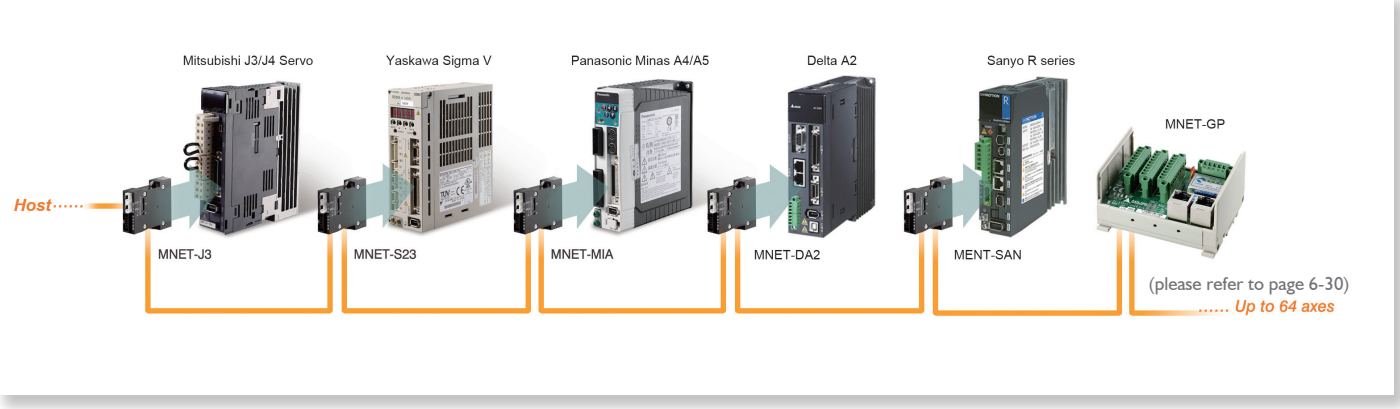
MNET-J3/S23/MIA/DA2/SAN

Distributed Single-axis Motion Control Modules



Introduction

ADLINK's Motionnet products provide system integrators with a simple configuration and reduced wiring method for a cost-effective solution for motion applications utilizing multiple single axis. With this new concept of direct plug-in modules, the amount of space used and the amount of wiring required is greatly reduced from traditional terminal board connections.

After the module is plugged into the servo driver, all that is needed is a LAN cable to make the serial connection between the modules. Different servo drivers can be lined up on the Motionnet bus, making motion control configuration much simpler than PCI board solutions. The Motionnet bus can support up to 64 single-axis modules.

Features

- **No command frequency limitation**
- **Available for Mitsubishi J3A/J4A, Panasonic MINAS A4/A5, and Yaskawa Sigma V, Delta A2, and Sanyo R series**
- **Up to 64 axes, serially connected**
- **No need for terminal boards – reduces space**
- **The scanning cycle time up to 0.97 ms at 20 Mbps when 64 axes are connected**
- **Point-to-point application can be easily completed with multiple single-axis modules**
- **Supports linear/s-curve acceleration and deceleration**

Ordering Information

■ MNET-J3
Motionnet distributed single-axis motion control module for Mitsubishi J3A/J4A

■ MNET-S23
Motionnet distributed single-axis motion control module for Yaskawa Sigma V

■ MNET-MIA
Motionnet distributed single-axis motion control module for Panasonic MINAS A4/A5

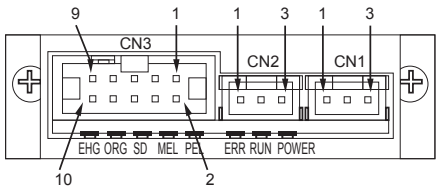
■ MNET-DA2
Motionnet distributed single-axis motion control module for Delta A2

■ MNET-SAN
Motionnet distributed single-axis motion control module for Sanyo R series

Specifications

Power Indicator	Displays the status of the 3.3 VDC internal control power (red LED)
Operating Temperature	0°C to +50°C (32°F to 122°F)
Operating Ambient Humidity	80% RH or less (non-condensing within the 10°C to 50°C range)
Environmental	RoHS compliant
Vibration	JIS C0040 compliant
Weight	Approximately 50 g
Dimensions	52.4 x 16.3 x 69.5 mm (W x H x D) (2.04" x 0.63" x 2.71")

Pin Assignment



CN1/CN2 Pin Assignment

No	Name	Function	Signal Direction
1	RS485+	Serial communicationdata+	I/O
2	RS485-	Communication data+	I/O
3	FG	Frame ground	-

CN3 Pin Assignment

No	Name	Function	Signal Direction
1	PEL	Positive end limit	I
2	MEL	Negative end limit	I
3	SD/CPP	Slowdown input / comparator output (+)	I/O
4	ORG	Zero position input	I
5	EMGI	Emergency stop input	I
6	CPN	Comparator output (-)	O
7	24V	24 VDC Power source	I
8	GND	Ground	I
9	GND	Ground	I
10	FG	Frame ground	-

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