



I-8093W

3-axis Encoder Module

I-8093W is a 3-axis high speed encoder module. Its each axis can be independently configured as one of Quadrant, Pulse/Direction or CW/CCW input mode. The maximum input rate for Quadrant mode is 1 MHz, and for Pulse/Direction and CW/CCW modes is 4 MHz.

The high-end specifications of I-8093W and complete software support make it ideal for wide range applications in position measurement of motion systems for industrial and laboratory environment.

Specifications

Encoder Input	
Input Axis	3-axis
Encoder counter	32-bit
counting Mode	1. Quadrant Counting 2. CW/CCW 3. Pulse/Dir
Maximum counting rate	1. Quadrant Counting : 1MHz 2. CW/CCW : 4MHz 3. Pulse/Dir : 4MHz
Intra-module isolation, Field to Logic	2500 Vrms
4KV ESD Protection	Contact for each channel
LED Display	
1 LED as Power Indicator /9 LED as Status Indicator	
Power	
Power Consumption	2W Max
Environment	
Operating Temperature	-25 ~ 75°C
Storage Temperature	-30 ~ 85°C
Humidity	5 to 95% RH, Non-condensing
Dimensions	
30mm x 102mm x 115mm (W x L x H)	