

Motion Controller + RGE5032 + SVR-K221 + 207-M2A2-GEN General AC Servo System ISA-7X











LINE

Taiwan Pulse Motion Inspire New Automation www.tpm-pac.com



Motion Controller RGE5032

Features



High-speed

Storage

Enhance

support

communication

space

• 1GHz CPU with 4 coprocessors 200MHz computing power Command Speed 1ns



• Program memory 20 MB, work memory 100MB • Power-off Holding 4MB



 SoftMotion • EtherCAT



Support up to SoftMotion

EtherNet/IP

• EtherCAT



Specification

Item	Contents	
RGE01-01	5032	
CPU Mainfrequency	1 GHz	
Coprocessor frequency	200 MHz	
Coprocessor number	4	
Program Memory capacity	20 MB	
RAM	512 MB	
Work Memory capacity	100 MB	
Power-off Holding	4 MB	
eMMC	8 GB	
Programming language	LD / ST / IL / SFC / FBD / CFC	
Number of executable tasks	32	
Task cycle	1 ms	
Power Supply Voltage	24 VDC	
Didital input points	16 / two-way	
Didital output points	16 / NPN	
Analog input points	2 / Voltage (0~10 V)	
Analog output points	1 / Current (0~20mA /0~24mA/4~20mA)	
Pulse input	4 channels / 200 kHz	
Pulse output	4 channels / 200 kHz	
PWM	4 channels / 100 kHz	
Dimensions	180 x 90 x 84	
Rail size	35	
	*For detailed technical information, please refer to user manual. *LITE-ON reserves the right to revise specifications without notice.	

Input	AI x 2	HSC x 4	
mput	0~10 V	8 Didital input	8 Didital input
output	AO x 1	PTO x 4	PWM x 4
output	0~24 mA*	16 Didital input	

*(0~20mA /0~24mA/4~20mA)

ISA-7X General AC Servo System

Drive Interface



207-M2A2-GEN Wiring

short circiut.

not connect o main power.



*Refer to supplied quick start guide . Contact local dealer or LITE-ON if any question.







EtherCAT[®] Analog Slave

207-A220F



EtherCAT[®] 8-Ch.Al

Features

- Max. 100Mbps transfer rate
- 8-Ch. 16-bit Analog input (AI) w. ±10V
- Rotary switch for address setting
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIN rail mounting (L-122 x W-65 x H-104 mm)

EtherCAT® Motion Slave

207-C244C/D



Features

- 207-C244C
- 4 DI
- 207-C244D
- 4DI / 4DO

207-A204F



EtherCAT[®] 8-Ch.AO

Features

- Max. 100Mbps transfer rate
- 8-Ch. 16-bit Analog output (AO)
- Rotary switch for address setting
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIN rail mounting (L-122 x W-65 x H-104 mm)





Features

EtherCAT® Close-Loop Drive

SVR-K112



1-Axis Close-Loop Drive

Features

- Max. 100Mbps transfer rate
- 1-axis Close-Loop Control
- K112: Current 4.2A
- Bi-polar current driving system
- Resolution: 500~50,000 pulse/revolution
- Encoder feedback
- DIP switch for address setting
- Dimensions: L-74 x W-140 x H-31 mm

SVR-K221



Features

EtherCAT[®] 4-Ch.Encoder Slave

 Max. 100Mbps transfer rate Rotary switch for address setting Max. 4MHz Encoder input frequency Easy installation with RJ45 phone jack and LED diagnostic Pluggable terminal block with spring plug connectors • DIN rail mounting (L-122 x W-65 x H-104 mm)

4 Compare Trigger Max. 100KHz

EtherCAT[®] 2-Axis Motion Controller

 Max. 100Mbps transfer rate Ultra compact, a 2-axis integrated controller Max. 6.5MHz pulse output rate 32-bit counter for incremental encoder • Programmable acceleration and deceleration time T-curve and S-curve velocity profiles support • Easy installation with RJ45 phone jack and LED diagnostic DIN rail mounting (L-122 x W-65 x H-104 mm)

2-Axis Close-Loop Drive

 Max. 100Mbps transfer rate • 2-axis Close-Loop Control • K221: Current 1.8A / axis Bi-polar current driving system Resolution: 500~50,000 pulse/revolution • Encoder feedback DIP switch for address setting Dimensions: L-75 x W-140 x H-47 mm

EtherCAT[®] Digital Slave

207-D411H-NNS/PPS EtherCAT® 16-Ch.DI/O



Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-65 x H-104 mm)
- ▶ 207-D411H-NNS 8-Ch. DI and 8-Ch. DO with NPN type
- 207-D411H-PPS 8-Ch. DI and 8-Ch. DO with PNP type

EtherCAT[®] Digital Slave

207-D522-NNS/PPS



Features

207-D222-NNS/PPS



EtherCAT[®] 32-Ch.DI/O

Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-65 x H-104 mm)
- ▶ 207-D222-NNS 16-Ch. DI and 16-Ch. DO with NPN type
- ▶ 207-D222-PPS 16-Ch. DI and 16-Ch. DO with PNP type

207-D532-NNS/PPS

Features

207-D521-NNS/PPS



EtherCAT[®] 48-Ch.DI/O

Features

- Max. 100Mbps transfer rate
- Easy installation with RJ45 phone jack and LED diagnostic
- Pluggable terminal block with spring plug connectors
- DIP switch for address setting
- DIN rail mounting (L-122 x W-92 x H-104 mm)
- ▶ 207-D521-NNS 32-Ch. DI and 16-Ch. DO with NPN type
- ▶ 207-D521-PPS 32-Ch. DI and 16-Ch. DO with PNP type

207-D533-NNS/PPS



Features

EtherCAT[®] 64-Ch.DI/O

• Max. 100Mbps transfer rate Easy installation with RJ45 phone jack and LED diagnostic • Pluggable terminal block with spring plug connectors DIP switch for address setting DIN rail mounting (L-122 x W-105 x H-104 mm)

▶ 207-D522-NNS 32-Ch. DI and 32-Ch. DO with NPN type 207-D522-PPS 32-Ch. DI and 32-Ch. DO with PNP type

EtherCAT[®] 80-Ch.DI/O

 Max. 100Mbps transfer rate Easy installation with RJ45 phone jack and LED diagnostic Pluggable terminal block with spring plug connectors DIP switch for address setting DIN rail mounting (L-122 x W-116 x H-104 mm)

▶ 207-D532-NNS 48-Ch. DI and 32-Ch. DO with NPN type ▶ 207-D532-PPS 48-Ch. DI and 32-Ch. DO with PNP type

EtherCAT[®] 96-Ch.DI/O

• Max. 100Mbps transfer rate Easy installation with RJ45 phone jack and LED diagnostic Pluggable terminal block with spring plug connectors • DIP switch for address setting DIN rail mounting (L-122 x W-127 x H-104 mm)

▶ 207-D533-NNS 48-Ch. DI and 48-Ch. DO with NPN type 207-D533-PPS 48-Ch. DI and 48-Ch. DO with PNP type

Intuitive software

- Compatible with INDA4
- Table structured Modbus communication command
- Plan of equipment communication network easily
- All editors of the IEC 61131-3(LD/FBD/ST/SFC/IL/CFC)
- Support multi-language operation







HMI Interface



CODESYS Control Program